CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Pier, Baltimore, Md., Mayor and City Council, plans $4,000,000.

Club and office, Chicago, Ill., La Salle Club, having plans prepared $3,000,000.

Amusement center, Newark, N. J., Arena & Amusement Co., having plans prepared, $3,000,000.

Power plant, Keokuk, Ia., Mississippi River Power Co., having plans prepared $2,500,000.

Terminal, Kansas City, Kans., Chicago, Rock Island & Pacific R.R. Co., soon lets contract, $2,000,000.

Road improvement, Oklahoma, State Hy. Dept., made plans, $1,965,000.

Railroad, Ill., Mobile & Ohio R. R. Co., plans, approximately $1,500,000.

Apartment, San Francisco, Calif., Stock, Maas & Sauer, care of archt., plans prepared, $1,500,000.

Paper mill, Oregon City, Ore., Hawley Paper & Pulp Co., having plans prepared $1,500,000.

Street improvement, Detroit, Mich., City making plans $1,281,950.

Road improvement, Chandler, Okla., City, bonds voted, $1,200,000.

Hotel, Philadelphia, Pa., Bellevue-Stratford, having plans prepared $1,000,000.

Sewerage system, Muncie, Ia., City plans, $1,000,000.

Railway, Illinois, Missouri Pacific R.R. Co., making preliminary plans, approximately $1,000,000.

Oil refinery, Ponca City, Okla., Empire Refining Co., having plans prepared $1,000,000.

Station, Tulsa, Okla., St. L. S. F. R.R. Co., A. T. & S. F. R.R. Co. and the M. K. & T. R.R. Co., signed agreement with city, $1,000,000.

Art institute, Dayton, O., H. G. Carnell, having plans prepared, $1,000,000.

Factory, Minneapolis, Minn., Cream of Wheat Co., having plans prepared, $1,000,000.

Theatre, Oklahoma City, Okla., J. Seriopulo, having preliminary plans prepared $1,000,000.

Waterworks, Ottawa, Ont., City, making plans $1,000,000.

Bids Desired

Transmission line, Ontario, June 1 by C. A. Magrath, chn., Hydro-Electric Co., $5,000,000.

Apartment, Chicago, Ill., H. Zisook, taking bids, $2,000,000.

Sewers, Chicago, Ill., Sanitary Dist. taking bids, $1,500,000.

Roads and bridge, Ontario, May 13, by R. M. Smith, ch. engr., $1,500,000.

Hotel, Terre Haute, Ind., May 21, by Terre Haute Hotel Co., $1,000,000.

Contracts Awarded

Hospital, Orangeburg, N. Y., Dept. Mental Hygiene, awarded to Niewenhous Co., Inc., and others, totaling $5,153,776.

Club house, Los Angeles, Calif., California Club, to P. J. Walker Co., $2,000,000.

Cold storage warehouse, Albany, N. Y., Central Rwy. Terminal & Cold Storage Co. Inc., to Parklap Constr. Co., $2,000,000.

Cathedral, Indianapolis, Ind., A. A. Scottish Rite, F. D. Stalnaker, chn., to Hunkin-Conkey Co. and others, totaling $1,878,806.

Hospital, Bryn Mawr, Pa., Bryn Mawr Hospital, to Stone & Webster, $1,750,000.

Chemistry and engineering, Princeton, N. J., Princeton University, to Matthews Constr. Co., $1,450,000.

Bridge, New York and New Jersey, Port Authority, to S. B. Mason, Inc., $1,160,200.

Apartment hotel, Chicago, Ill., W. Bernhard & Co., archts., $1,081,000, masonry and concrete to H. Janisch & Co.

Garage, New York, N. Y., Uppercu Cadillac Corp., to Turner Constr. Co., $1,000,000.

Bank, Wilkes-Barre, Pa., Miners Bank, $1,000,000, steel to McClintic-Marshall Co.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

May 6 Falmouth, Mass. ..... Apr. 28
May 6 Wooster, O. ..... May 5
May 9 Blenheim, Ont. ..... May 5
May 9 Victoria, B. C. ..... May 5
May 9 Springfield, Ill. ..... May 5
May 10 Boston, Mass. ..... May 5
May 10 Long Island City, N. Y. .... May 5
May 10 Brooklyn, N. Y. ..... May 5
May 10 Farmville, Va. ..... May 5
May 10 Chester, Pa. ..... May 5
May 10 Hamburg, N. Y. ..... Apr. 21
May 11 Detroit, Mich. ..... Apr. 21
May 11 Liberty, N. Y. ..... Apr. 28
Adv. Apr. 28 and May 5.
May 11 Odgensburg, N. Y. ..... Apr. 28
Adv. Apr. 28 and May 5.
May 11 Baltimore, Md. ..... May 5
May 12 Newark, N. J. ..... May 5
Adv. May 5.
May 12 Hamilton, N. Y. ..... Apr. 14
May 13 Bayport, Minn. ..... May 5
May 13 Astoria, Ore. ..... May 5
May 18 Arcadia, Calif. ..... May 5
May 20 Boston, Mass. ..... May 5
Adv. May 5.
May 24 Saginaw, Mich. ..... Apr. 14
June 1 Youngstown, O. ..... Mar. 17
June 1 Detroit, Mich. ..... May 5
Adv. May 5.

Sewers

May 6 Cherryville, N. C. ..... Apr. 28
May 6 Bridgeport, Conn. ..... Apr. 21
May 6 New York, N. Y. ..... Apr. 28
May 7 Dundalk, Ont. ..... May 5
May 9 Butler, N. J. ..... Apr. 28
Adv. Apr. 28 and May 5.
May 10 Teaneck, N. J. ..... May 5
May 10 Glenview, Ill. ..... May 5
May 10 Jeffersonville, Ind. ..... May 5
May 11 Forest Hill, Ont. ..... May 5
May 11 Los Angeles, Calif. ..... May 5
May 11 Brooklyn, N. Y. ..... May 5
May 11 Elkins Park (Ind. br. Phila.) Pa. ..... May 5
May 11 Dumont, N. J. ..... Apr. 28
May 17 Lakeview, Ore. ..... Apr. 28
May 17 Fort Lauderdale, Fla. .... Apr. 21
Adv. Apr. 21 to May 5.
May 17 Teaneck, N. J. ..... May 5
Adv. May 5.
May 20 Richfield Springs, N. Y. .... May 5
Adv. May 5.

Bids close — *See Eng. News-Record*

May 24 Birmingham, Ala. ..... May 5
May 24 Teaneck, N. J. ..... May 5
Adv. May 5.
May 31 Columbus, O. ..... May 5

Bridges

May 6 Dayton, O. ..... Apr. 21
May 10 Washington ..... May 5
May 10 Idaho ..... May 5
May 10 Massachusetts ..... May 5
May 10 Colorado ..... May 5
May 11 Cleveland, O. ..... May 5
May 12 Florida ..... May 5
May 12 Bridgeport, Conn. ..... Apr. 28
May 12 Indianapolis, Ind. ..... Apr. 28
May 12 Greensboro, N. C. ..... Apr. 28
May 12 Virginia ..... Apr. 28
May 13 Akron, O. ..... Apr. 28
May 16 Lansing, Mich. ..... Apr. 21
May 16 Oakland, Calif. ..... May 5
May 16 Riverside, Calif. ..... May 5
May 16 Laconia, N. H. ..... May 5
Adv. Apr. 28 and May 5.
May 17 Sandisfield (mail South Sandisfield), Mass. ..... May 5
May 17 Ft. Scott, Kan. ..... May 5
May 17 Auburn, N. Y. ..... Apr. 21
May 22 Los Angeles, Calif. ..... May 5
May 25 Phila., Pa. ..... Apr. 28
Adv. Apr. 28 and May 5.
May 31 Toronto, Ont. ..... Apr. 14

Dams

May 9 Greenfield, Mass. ..... Apr. 14
May 23 Fitchburg, Mass. ..... May 5
Adv. May 5.
May 27 Abilene, Tex. ..... May 5
Adv. Apr. 28 and May 5.

Railways

May 12 Ontario ..... May 5

Excavation, Drainage, Irrigation, Levees, River and Harbor

May 6 Leonia (Ind. br. Hackensack) N. J. ..... May 5
May 11 Tracy, Calif. ..... Apr. 21
May 11 East St. Louis, Ill. ..... May 5
May 12 Sorel, Que. ..... Apr. 28

Streets and Roads

Bids close — *See Eng. News-Record*

May 6 New York, N. Y. ..... Apr. 28
May 6 Akron, O. ..... May 5
May 6 Peterborough, Ont. ..... May 5
May 7 New Toronto, Ont. ..... May 5
May 9 Sarnia, Ont. ..... May 5
May 9 New Jersey ..... Apr. 21
May 9 Cuyahoga Falls, O. ..... Apr. 28
May 9 Brampton, Ont. ..... May 5
May 9 Akron, O. ..... May 5
May 9 Three Rivers, Que. ..... May 5
May 9 Winthrop, Mass. ..... May 5
May 9 Okmulgee, Okla. ..... May 9
May 9 Cedar Rapids, Ia. ..... May 5
May 9 Springfield, Ill. ..... May 5
May 9 Sublette, Ill. ..... May 5
May 9 Lawrence, Kan. ..... May 5
May 10 Ionia, Mich. ..... May 5
May 10 Massachusetts ..... May 5
May 10 Birmingham, Mich. ..... May 5
May 10 Seaside Park, N. J. ..... May 5
May 10 Wisconsin ..... May 5
May 10 Green Bay, Wis. ..... May 5
May 10 Omaha, Neb. ..... May 5
May 10 Plattsburg, Mo. ..... May 5
May 10 Wyoming ..... May 5
May 10 Phila., Pa. ..... May 5
May 10 Wayne, Neb. ..... May 5
May 10 Maryland ..... May 5
May 10 Tampa ,Fla. ..... May 5
May 10 Grand Rapids, Mich. ..... May 5
May 10 Wallingford, Conn. ..... May 5
Adv. May 5.
May 10 Girard, Kan. ..... Apr. 14
May 10 St. Louis, Mo. ..... Apr. 28
May 10 Phila., Pa. ..... Apr. 28
May 10 New Brunswick, N. J. ..... Apr. 28
May 10 Napanee, Ont. ..... May 5
May 11 Los Angeles, Calif. ..... May 5
May 11 Nevada ..... May 5
May 11 Quebec ..... May 5
May 11 Michigan ..... May 5
May 11 Logansport, Ind. ..... May 5
May 11 Baltimore, Md. ..... May 5
May 11 Cleveland, O. ..... May 5
May 11 St. George, N. Y. ..... May 5
May 11 Brooklyn, N. Y. ..... May 5
May 11 Long Island City, N. Y. ... May 5
May 11 Carroll, Ia. ..... May 5
May 11 Waltham (Ind. br. Boston), Mass. ..... May 5
May 12 Ashton, Ill. ..... May 5
May 12 Holdenville, Okla. ..... Apr. 28
May 12 Florida ..... Apr. 28

See proposal advertising on page 161

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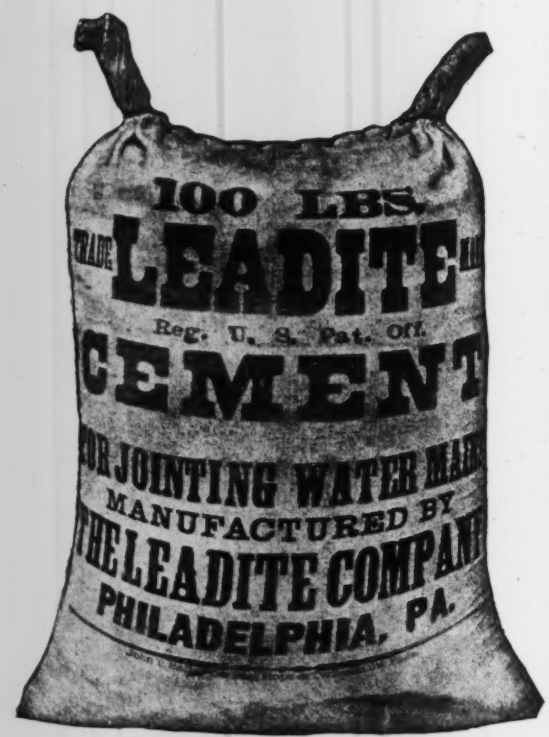
TRADE "LEADITE" MARK
Registered U. S. Pat. Office

A list of the Country's principal cities, large and small—

Is a list of the satisfied users of LEADITE.

Leadite Users are Leadite Boosters



EAST or West, North or South, take your pick of the cities—and you'll find many of them on the customer list of Leadite—

The country's principal cities, large and small—the country's representative water works engineers, construction companies and water works departments of industrial plants, railroads and mines are strong for Leadite for jointing cast iron water mains—

Are demonstrating what you will be able to do when you use Leadite—

What, for instance?—

You will do away with the need for caulking—or the need for digging out for large bell holes.

You will be able to use Leadite for all sizes of pipe from 4 in. to 60 in. diameter—under all pressures and conditions—

Give Leadite a trial.

Leadite resists electrolysis.

Leadite does not corrode or rust.

Leadite has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with Leadite are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1511 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
May 12	Birmingham, Ala.	Apr. 14
May 12	Florida	Apr. 21
May 12	Michigan	May 5
May 13	Brookhaven, Miss.	May 5
May 13	New York	Apr. 28
	Adv. Apr. 28 and May 5.	
May 13	Fredonia, Kan.	Apr. 28
May 13	Ontario	May 5
May 13	Wisconsin	May 5
May 13	Groesbeck, Tex.	May 5
May 13	South Orange, N. J.	May 5
May 14	Dixon, Ill.	May 5
May 14	Jeffersonville, Ind.	May 5
May 15	Anderson, Ind.	May 5
May 15	Clovis, N. M.	May 5
May 16	Inverness, Fla.	May 5
May 16	Olympia, Wash.	May 5
May 16	Yakima, Wash.	May 5
May 16	Emmetsburg, Ia.	May 5
May 16	Akron, O.	May 5
May 16	California	May 5
May 16	Kansas City, Kan.	May 5
May 16	Plainfield, N. J.	Apr. 28
May 16	Martinez, Calif.	May 5
May 16	San Jose, Calif.	May 5
May 16	Oakland, Calif.	May 5
May 16	New Jersey	May 5
	Adv. Apr. 28 and May 5.	
May 17	Sparta, N. J.	May 5
	Adv. May 5.	
May 17	Louisiana	May 5
May 17	South Carolina	May 5
May 18	Greencastle, Ind.	May 5
May 18	Wooster, O.	May 5
May 18	Delaware	Apr. 21
May 19	Poughkeepsie, N. Y.	May 5
	Adv. May 5.	
May 19	Clay Center, Kan.	May 5
May 20	New York	May 5
	Adv. May 5.	
May 20	Birmingham, Ala.	Apr. 21
May 20	Leavenworth, Kan.	Apr. 28
May 23	Birmingham, Ala.	May 5
May 23	New Jersey	May 5
	Adv. Apr. 28 and May 5.	
May 24	Paola, Kan.	May 5
May 25	Anderson, Ind.	Apr. 28
May 25	Duluth, Minn.	Mar. 31
May 26	Eureka, Kan.	May 5
May 27	Greensburg, Kan.	May 5
May 27	Kentucky	Apr. 28
May 28	Duluth, Minn.	Apr. 7
June 2	Birmingham, Ala.	Apr. 28
June 20	Duluth, Minn.	May 5

Buildings—Commercial

May 6	Burrillville, R. I.	May 5
May 9	Waterbury, Conn.	May 5
May 10	Texarkana, Ark.	May 5
May 10	Corpus Christi, Tex.	Apr. 28
May 10	Huron, S. D.	May 5
May 11	Jamestown, N. Y.	May 5
May 11	St. Joseph, Mich.	Apr. 28
May 11	Utica, N. Y.	Apr. 28
May 11	Roxbury (Boston P. O.), Mass.	May 5
May 11	Waterbury, Conn.	May 5
May 11	Boston, Mass.	May 5
May 12	Portland, Ore.	May 5
May 12	Detroit, Mich.	May 5
May 12	Roxbury (Boston P. O.), Mass.	May 5
May 15	Bellingham, Wash.	Mar. 24
May 15	Brooklyn, N. Y.	Apr. 21
May 15	Oklahoma City, Okla.	Apr. 28
	Mass.	May 5
May 16	Dodge City, Kan.	May 5
May 21	Terra Haute, Ind.	May 5
May 22	Cambridge (br. Boston) Mass.	May 5
June 1	Seattle, Wash.	Apr. 28

Buildings—Educational, Religious

May 6	Amherst, Mass.	May 5
May 7	Springfield, Ill.	Apr. 28
May 9	Revere, Mass.	May 5
May 10	Ardmore, Okla.	May 5
May 11	Mobile, Ala.	May 5
May 11	Cleveland Heights (Warrensville P. O.), O.	May 5
May 11	Evansville, Ind.	May 5
May 11	Indianapolis, Ind.	May 5
May 12	Columbus, O.	Apr. 21
May 12	Rochester, N. Y.	Apr. 28
May 12	New Haven, Conn.	May 5
May 13	New Orleans, La.	Apr. 28
May 16	Riverside, Calif.	May 5
May 16	Ridgeland, S. C.	May 5
May 18	Helmuth, N. Y.	Apr. 28
	Adv. Apr. 28 and May 5.	
May 20	Pittsburg, Calif.	May 5
May 24	Far Rockaway, N. Y.	May 5
June 1	Springfield, O.	Apr. 14

Federal Government Work

May 9	Post Office, etc.—Coeur D'Alene, Idaho	Mar. 31
May 9	Retards—Jefferson City, Mo.	May 5
May 10	Shelter, etc.—Montpelier, Vt.	May 5
May 10	Post Office — Leominster, Mass.	Apr. 7
May 11	Addition—Carville, La.	Apr. 14
May 13	Ferry Racks—New York, N. Y.	Apr. 21
May 14	Steel Rods—Milwaukee, Wis.	Apr. 14
May 14	Barges—Memphis, Tenn.	Apr. 21
	Adv. Apr. 21 to May 5.	
May 15	Cross Arms, etc. — Wyoming	Apr. 21
May 16	Dredging—Delaware	Apr. 21
	Adv. Apr. 21 to May 5.	
May 16	Boilers—Portland, Me.	Apr. 28
May 17	Telephone Equipment — Walla Walla, Wash.	Apr. 28
May 17	Nurses Home, etc.—Augusta, Ga.	Apr. 14
	Adv. Apr. 21 to May 5.	
May 17	Gates—New Mexico, Texas	Apr. 21
May 18	Lock Gate—Pittsburgh, Pa.	Apr. 21
	Adv. Apr. 21 to May 5.	
May 20	Gates—Montana	Apr. 21
May 20	Superstructure—Cleveland, O.	Apr. 21
	Adv. Apr. 21 to May 5.	
May 24	Tug—Milwaukee, Wis.	Apr. 28
	Adv. Apr. 28 and May 5.	
May 24	Refrigeration Plant—North Little Rock (Ind. br. Little Rock), Ark.	Apr. 28
May 25	Seaplane Hangars—Pensacola, Fla.	May 5
May 25	Garage—San Diego, Calif.	May 5
May 25	Retaining Wall—Buffalo, N. Y.	Apr. 28
	Adv. Apr. 28 and May 5.	
May 25	Dredging—New Jersey	Apr. 28
	Adv. Apr. 28 and May 5.	
May 26	Storehouse, etc.—Biloxi, Miss.	May 5
May 31	Quarters—Chicago, Ill.	Apr. 21
May 31	Breakwater—Muskegon, Mich.	May 5
	Adv. May 5.	
June 1	Drains—Montana and North Dakota	May 5
June 1	Quarters—Canacao, P. I.	Mar. 3
June 3	Canal—Washington	Apr. 28

Unclassified

May 6	Subway—New York	Mar. 31
May 6	Signal System—Phila., Pa.	Apr. 28
May 6	Wiring, etc.—Cleveland, O.	Apr. 28
May 9	Piers—Kincardine, Ont.	May 5
May 10	Grade Separation—Fordson, Mich.	May 5
May 10	Wharf, etc.—Summerside, P.E.I.	May 5
May 10	Derrick—Esquimalt, B. C.	May 5
May 10	Subway, etc.—Chicago, Ill.	Apr. 28
May 11	Exit Facilities, etc.—Kings Park, N. Y.	Apr. 28
	Adv. Apr. 28 and May 5.	
May 11	Coal Trestle—Central Islip, N. Y.	May 5
	Adv. Apr. 28 and May 5.	
May 11	Conduits, Anchors, etc. — Detroit, Mich.	May 5
May 12	Crib Wharf—Quebec, Que.	May 5
May 12	Borings—New York, N. Y.	May 5
May 13	Wharf, etc.—Powell River, B. C.	May 5
May 17	Heating Equipment—Vancouver, B. C.	May 5
May 18	Swimming Pool—Mt. Vernon N. Y.	May 5
	Adv. May 5.	
May 19	Coal and Material Handling Plant—Mobile, Ala.	Apr. 28
May 22	Playground—Concord, Mass.	May 5
May 28	Swimming Pool—Lakewood (br. Cleveland), O.	May 5
June 1	Transmission Line—Ontario	May 5

Materials

May 11	Concrete Pipe—Baltimore, Md.	May 5
May 11	Conduit and Bends—Baltimore, Md.	May 5
May 12	Tie Plates—Phila., Pa.	May 5

News of the Week

Waterworks

Proposed Work

Mass., Revere—Plans water improvements and extension in various streets. $100,000. Private plans.

Mass., Waltham—Plans extending mains in various streets. $30,000. Private plans.

Conn., Hartford—Hartford Water Bd., 1026 Main St., soon takes bids 3 mi. and 1 mi. water pipe lines. $300,000 appropriated. C. M. Saville, city engr.

Pa., Pittsburgh — Director Pub. Wks., making plans and takes bids about June 1, reservoir, near Montana Ave. $500,000. C. M. Reppert, City County Bldg., city engr.

Tennessee—See "Streets and Roads."

O., Cincinnati—Hamilton Co. plans 36,848 ft. 6 in. c.i. mains in Water Supply Line 62, Dists. 1 and 8. $79,517. L. C. Boyatt, Court House, engr.

Ill., Galesburg—Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, C. F. W. Felt, ch. engr., making preliminary plans large storage reservoir near Lincoln Park.

Kan., Garnett—Defeated $35,000 bonds, waterworks and distribution system. Noted Mar. 24.

Kan., Otis—Voted $50,000 bonds, new waterworks. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Mar. 31.

Ark., Ozark—Making preliminary plans complete waterworks, distribution, and sewerage systems. $125,000. W. L. Winters, Fort Smith, engr.

Okla., Ayelsworth — Made preliminary plans new waterworks. $30,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Blackwell—Election May 10, $50,000 bonds, extending 30,500 ft. 6- to 10-in. mains in various streets. W. Ritzhaupt, Blackwell, engr.

Okla., Francis — Making preliminary plans water main extensions, well and deep well pump, 9,500 ft. 4 and 6 in. mains, etc. $21,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Okla., Hillsdale—Made preliminary plans new waterworks $15,000. M. E. Allen, mayor. Engineer not selected.

Okla., Mooreland — Making preliminary plans new waterworks, incl. deep well pump, elevated tank, 7,100 ft. 2- to 6-in. mains, etc. $25,000. C. H. Snoblin, mayor. Engineer not selected.

Okla., Nardin—Made preliminary plans new waterworks, $18,000. F. B. King, Grain Exch. Bldg., Oklahoma City, engr.

Okla., Seward—Making preliminary plans deep well pump, motor, elevated tank and 1,100 ft. 6 in. mains in various streets. $16,000. G. Rufner, mayor; engineer not selected.

Okla., Stroud—Making preliminary plans new well, pumping equipment, and 21,700 ft. 4- to 8-in. c.i. mains in various streets. $40,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Troy—Making preliminary plans new waterworks, incl. 16,400 ft. 2- to 6-in. mains, deep well, pump, motor, etc. J. C. Milliken, Continental Bldg., Oklahoma City.

Calif., Beverly Hills—Making plans 1 and 2 story, 200 x 280 ft., rein.-con. aeration plant, $200,000. W. Thomas, archt., and Salisbury, Bradshaw & Taylor, 745 Petroleum Securities Bldg., Los Angeles, engrs.

Calif., Riverside—Making plans storage reservoir, 2,013 lin.ft. 18 in. c.i., 3,200 lin ft. 42 in. concrete, 5,500 lin.ft. 36 in., and 1,850 lin.ft. 30 in. steel (gunite coated) pipe. $100,000 or more. Reaburn & Bowen, Central Bldg., Los Angeles, engrs.

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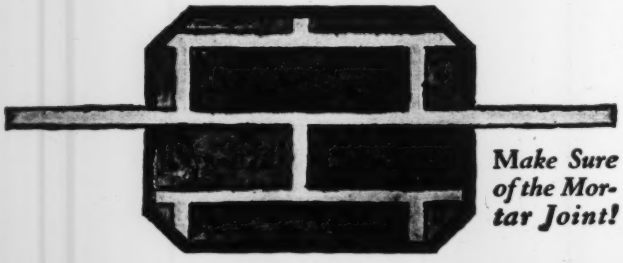
color!

Glossy black or palest buff—make the mortar color you select *permanent* by using BRIXMENT for masonry. No free lime to cause fading, scaling or popping; grows stronger with age. Architects' handbook on request. Louisville Cement Co., *Incorporated;* General Offices: Louisville, Kentucky.



Make Sure of the Mortar Joint!

Use BRIXMENT *for Mortar*

Waterworks (Continued)

Calif., Riverside—Making plans 12,500 lin.ft. steel with 30- to 42-in. steel and 18 in. c.i. mains in Linden St. E. R. Bowen, Central Bldg., Los Angeles, engr.

Calif., San Bernardino — City Water Comn. plans purchasing 7,850 lin.ft. 6 in. riveted steel pipe. W. Starke, city water supt.

Ont., Ottawa—Making plans filtration plant in connection with waterworks, incl. buildings, pumps, filters, piping and electric motors. $1,000,000. A. F. Macallum, City Hall, engr.

Ont., Thorold—Town Council soon takes bids filtration plant. $150,000. Noted Feb. 10.

Bids Desired

Mass., Boston—May 10, by Dept. Pub. Wks., waterworks in various streets in Dorchester, South Boston and City Proper. $15,000. J. H. Sullivan, comr.

Mass., Boston—May 20, by Metropolitan Dist. Water Supply Comn., 24 School St., sinking 310 ft. and 335 ft. tunnel shafts in Holden, and 455 ft., 430 ft. and 410 ft. shafts in Rutland. F. E. Winsor, ch. engr.; adv. E. N.-R. May 5.

N. Y., Brooklyn—May 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Coney Island, East New York, Hegeman, Hopkinson and Howard Aves., Berriman, 20th, 51st, East 2nd Sts., etc.

N. Y., Long Island City—May 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Laburnum, Thebes, Wessington, 9th, 34th, 38th, Cooper, Wyckoff, 31st, 78th and 80th Aves., Moline, 154th, 202nd, 209th, 210th, Booth, 68th, 78th Sts., etc., here.

N. J., Newark—May 12, by North Jersey Dist. Water Supply Comn., 24 Commerce St., constructing Midvale and Furnace Rd. Dams, Wanaque Reservoir. A. H. Oratt, ch. engr. M. R. Sherrerd, consult. engr.; adv. E. N.-R. May 5. Noted Mar. 31.

Pa., Chester—May 10 (extended date), at office G. J. Hunter, supt. Streets & Pub. Impvts., main pumping station and grit chamber, West 2nd St. and Chester River, Contr. 2, plumbing work Contr. 2-A, heating work Contr. 2-B, and electrical work Contr. 2-C. R. C. Wheeler, 36 State St., Albany, N. Y., consult. engr. Noted Apr. 7.

Md., Baltimore—May 11, by Bd. Awards, excavating trenches and laying mains in Hillen Rd. G. F. Wieghardt, City Hall, water engr.

Va., Farmville—May 10, by R. B. Cralle, city mgr., waterworks improvements, incl. 500,000 gal. steel stand pipe, 4,400 ft. 12 in. c.i. Bell and Spigot pipe with fire hydrants and valves, 750 g.p.m. motor driven centrifugal pump, 1,820 ft. terra cotta or concrete raw water intake line, 30,000 gal. rein.-con. tank, etc. W. M. Piatt, Durham, N. C., engr.

O., Wooster—May 6, by Bd. Control, 4, 6 and 8 in. c.i. mains, valves and hydrants. $15,000. A. H. Wedge, city engr.

Mich., Detroit — June 1, by Bd. Water Comrs., 176 East Jefferson Ave., 11,800 lin.ft. steel water pipe in Michigan Ave.; adv. E. N.-R. May 5.

Ill., Glenview—See "Sewers."

Ill., Springfield—May 9, by Bd. Local Impvts., 236 tons c.i. pipe and fittings. W. Seeley, City Hall, engr.

Minn., Bayport—May 13, by Village, W. E. Alvin, clk., 7,559 lin.ft. 4 and 6 in. c.i. mains, 5,838 lb. special castings, 8 valves, 14 hydrants, etc. $15,000. E. G. Briggs, 438 Breamer Arcade, St. Paul, engr.

Ore., Astoria—May 13, by O. A. Kratz, city mgr., 44,000 lin.ft. 30 in. steel, creosoted wood or rein.-con. pipe line with necessary appurtenances. Stevens & Koon, Spaulding Bldg., Portland, engrs.

Calif., Arcadia—May 18, by City Trustees, 41,883 ft. 10- to 20-in. c.i. pipe, etc. S. M. Lee, city water supt. Noted Mar. 10.

Calif., Laguna Beach—L. C. Welsgerber, secy. Laguna Beach Co. Water Dist., taking bids three 1,000 gal. steel tanks for storage water in district.

Calif., San Bernardino—W. Starke, city water supt., taking bids 10,000 ft. 6 in. lapwelded or seamless wrought steel bell and spigot lead joint pipe, dipped or coated with asphaltum, not less than 16 ft. lengths.

Ont., Blenheim—May 9, by P. S. Shillington, town clk., supplying c.i. pipe, specials, castings, valves and hydrants, electric centrifugal pumps, meters, valves, etc., laying mains, rein.-con. reservoir, concrete, brick and steel pumphouse, and 50,000 gal. elevated steel tank. $85,000. Wynne-Roberts, Son & McLean, 44 Victoria St., Toronto, engrs. Noted Jan. 27.

B. C., Victoria—May 9, by City Council, c.i. pipe and fittings. $20,000. F. M. Preston, City Hall, engr.

Contracts Awarded

Mass., Boston—Commonwealth of Massachusetts, 9,000 lin.ft. 30 in. mains, etc. in Southboro, to Lock Joint Pipe Co., Ampere, N. J. $78,818. Noted Mar. 24.

Mass., Somerset—Town, 1 story, brick pumping station, to J. M. Darling Jr. Co., 878 South Main St., Fall River. Engrs. est. $40,000.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 32nd and 49th Sts., here, to Palladino Contg. Co., 1479 Park Ave., New York City, $10,740. Noted Apr. 21.

O., Shaker Heights (mail Cleveland)—To Langenham Constr. Co., Marshall Bldg., Cleveland, mains in Warrensville Center Rd., Sect. 1 $13,325, Sect. 2 $10,297, Sect. 3 $2,520, and Sect. 4 $10,185. Grand total $36,327. Noted Mar. 10.

Mich., Muskegon—T. L. Christianson, city clk., City Hall, lowering 24 in. c.i. main from 4 to 5 ft. in clay soil, and adjusting water and sewer services (house connections), to P. C. Sorenson, 443 Worden St. S. E., Grand Rapids, $9,513. Engrs. est. $15,000. Noted Mar. 24.

Minn., Mankato—F. W. Bates, city clk., 7,660 ft. 6 and 8 in. mains in Bunker Hill Dist., to Patterson Constr. Co., Springfield, Minn., $14,284. Noted Apr. 7.

Minn., St. Paul — A. E. Eggert, city purch. agt., 1,250 cold water meters, to Crane Co. of Minnesota, 5th St. and Bway., 5/8 in. at $6.69 each, and 1 in. $14.96 each; 9,000 lin.ft. copper tubing, to Mueller Co., Decatur, Ill., 1 in. $0.1819 per lb., 1¼ in. $0.2948, and 2 in. at $0.4338. Noted Feb. 24.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, two 330 x 406 ft., rein.-con. settling basins, 20 ft. deep, four 150 x 150 ft. sedimentation basins 20 ft. deep, three chemical mixing chambers, 80 ft. diam. and 15 ft. deep, sluice gates, etc., to Missouri Eng. & Contg. Co., Merchants-Laclede Bldg., $644,044. Engrs. est. $850,000. Noted Mar. 24.

Okla., Bowlegs (Seminole P. O.)—Bowlegs Townsite Co., new waterworks, incl. deep well pump and motor, 11,000 ft. 2- to 6-in. c.i. mains, etc., to J. C. Propp, Mutual Bldg., Kansas City, Mo., $25,000.

Okla., Healdton—Main extensions, well and pumping equipment, to D. Blackburn, Healdton, $59,600. Engrs. est. $65,000. Noted Feb. 17.

Calif., Santa Barbara—E. A. Rolison, city mgr., 30,000 lin. ft. 4- to 12-in. Class "B" c.i. pipe or equal, plugs, sleeves, gate valves, etc., to U. S. Cast Iron Pipe & Fdry. Co., Monadnock Bldg., San Francisco, $26,187.

Ont., Hamilton—F. F. Treleaven, mayor, City Hall, conduits in Sec. A, to Dominion Lock Joint Pipe Co., 400 Gage Ave. N., $24,497; and section of steel intake pipe, to Hamilton Bridge Wks., Bay St. N., $69,000. Engrs. est. $100,000. Noted Mar. 17.

B. C., North Vancouver — North Vancouver Dist., extending Mosquito Creek water supply, incl. 11,100 ft. 4 and 6 in. pipe, 14 fire hydrants, and two 6 in. reducing valves, to Cotton Co. Ltd., False Creek Yards, Vancouver, $30,780.

B. C., Vancouver—City Council, supplying twenty-one 16- to 32-in. valves, to F. Dooling & Co., 1144 Homer St., $7,490. Engrs. est. $11,000. Noted Mar. 10.

Sewers

Proposed Work

N. Y. Rochester — Rogers Estates Subdivision plans sewers in various streets. $40,000. J. E. Thomas, 1554 St. Paul St., engr.

O., East Cleveland (br. Cleveland) — Takes bids in summer, 400 ft. 8 x 12 in. concrete sewer in Dugway Brook. M. Garnett, City Hall, engr.

O., Wellsville — Bd. Control takes bids about May 19, storm sewer in 17th St. $25,000. A. McGill, City Hall, engr.

O., Wooster—Bd. Control plans approximately 15,000 lin.ft. 8- to 12-in. sanitary sewers in various streets. A. H. Wedge, city engr.

Ind., Anderson — Plans large sewer in Lowmandale Dist. to drain 6 streets, $40,000; also sewer in Shadeland and West Parks Dists., $50,000. M. H. Downey, City Hall, engr.

Ind., Gary—Plans Miller Sewer. $500,000. A. P. Melton, Gary, engr.

Ind., Jeffersonville — Plans 5 mi. 30- to 60-in. rein.-con. trunk line sewer in Port Fulton (part of Jeffersonville). $96,000. Address City Engineer.

Ind., Muncie — Plans sewerage system. $1,000,000. Address M. W. Dalbuy, city clk.

Ill., Flossmoor — Board Local Impvts. making preliminary plans storm sewers in various streets. $300,000. D. J. Brumley, pres.

Wis., Oshkosh—Made surveys sewage disposal system. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Wis., Waukesha — Making preliminary plans sewage disposal system. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Ia., Auburn—Making preliminary plans complete sewerage system and disposal plant, with auxiliary piping, etc. in various streets. To exceed $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Neb., Grand Island — Soon takes new bids 1,700 ft. 90 in. rein.-con., brick or segmental block sewer in various streets. K. Y. Craig, City Hall, engr. Noted Dec. 30.

Mo., Brentwood (St. Louis P. O.) — Brentwood Sewer Dist. making preliminary plans 42,600 ft. 6- to 21-in. vitr. clay sewers in East Section, and 80,000 ft. 6- to 18-in. vitr. clay sewers in West Section. $300,000. A. H. Beard Eng. Co., 7370 Manchester Ave., Maplewood, engrs. Noted Jan. 26, 1926.

Mo., Kirkwood — Making preliminary plans extending sewerage system southeast along Gravois Creek to Watson Rd. and west along Sugar Creek to Highland Ave. in Osage Hills, etc. Address City Engineer.

Mo., Overland—Overland Sewer Dist. of St. Louis Co., c/o J. Mulloy, atty., Buder Bldg., St. Louis, making preliminary plans complete sewerage system.

Ark., Ozark—See "Waterworks."

Tex., Houston — Voted $250,000 bonds, sewers in various streets; also $200,000 bonds, disposal plant improvements. J. C. McVea, city engr. Noted Mar. 31.

Okla., Ada—Voted $45,000 bonds, sewage disposal plant. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Apr. 7.

Okla., Bridgeport — Made preliminary plans new sewerage system. $30,000. C. A. Wood, Stillwater, engr.

Okla., Byers—Plans new sanitary sewerage system, incl. septic tank, 21,000 ft. 6- to 10-in. vitr. clay pipe, etc. $30,000. C. A. Wood, Stillwater, engr.

Okla., Hanna—Made preliminary plans 4 mi. new sewers in all streets. $27,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Okla., Mooreland — Made preliminary plans sanitary sewerage system. $35,000. Engineer not selected.

Okla., Stratford—Plans new sanitary sewerage system, incl. 22,600 ft. 6- to 12-in. vitr. clay pipe, septic tank, etc. $30,000. J. C. Milliken, Continental Bldg., Oklahoma City, engr.

Nev., Sparks—Making plans sewage disposal plant, $90,000; also extending sewers, etc. in various streets. $55,000. King & Malone, Cladinos Bldg., Reno, engrs.

Calif., Lemoore—Plans sewage disposal plant. $25,000 or more. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Los Angeles — Plans concrete drains in connection with Sawtelle Storm Drainage System in Westgate and Mississippi Aves., etc. To exceed $25,000. G. W. Jones, Hall of Records, engr.

Calif., Lynwood—Plans vitr. sewers, etc. in portions Alamo Court, Grape and Grant Sts., etc. To exceed $25,000.

Calif., Upland—Plans 8 in. vitr. sewer, etc., in Euclid Ave., etc. To exceed $25,000.

Ont., New Toronto—Making plans 8 in. and up vitr. tile sewers in Lake Shore Rd. and Birmingham St. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Riverside—See "Streets and Roads."

Ont., Toronto—York Twp. plans 6,000 ft. vitr. tile sewers in Florence Crescent, Ewart, Silverthorn and Commodore Aves. $34,623. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

N. Y., Brooklyn — May 11, by J. J. Byrne, pres. Brooklyn Boro, sewers in Shore and Colonial Rds., Avenue T, Drew, McKinley and Forbell Aves., Glen, 56th and 91st Sts.

N. Y., Richfield Springs — May 20, by Village Clerk, 5,400 ft. vitr. sewers, screen well and digestion tank, pump well and sludge bed, etc. M. Vrooman, Gloversville, engr.; adv. E. N.-R. May 5.

N. J., Teaneck—May 10, by Twp. Com., H. Deissler, twp. clk., Municipal Bldg., Teaneck Rd. and Cedar Lane, constructing 5,800 ft. 12- to 18-in. sewer in River Rd., Contr. "V." Sanborn & Bogert, 30 Church St., New York City, consult. engrs.

N. J., Teaneck—May 17, by Twp. Com., Municipal Bldg., Teaneck Rd. and Cedar

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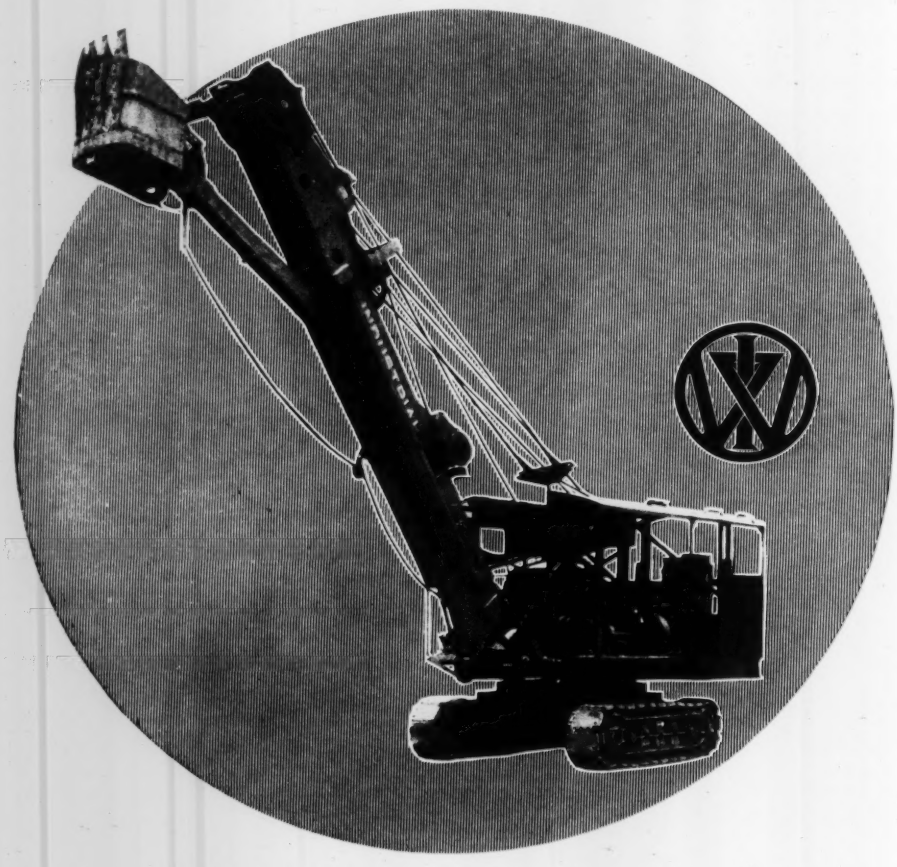

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Philadelphia, Pa. Packard Building
Pittsburgh, Pa. Federal Reserve Bldg.
San Francisco, Calif. Monadnock Bldg.
St. Louis, Mo. Railway Exchange
Tampa, Fla. 823 S. Oregon Ave.

Sewers (Continued)

Lane, 15,000 ft. 12- to 24-in. trunk sewer in Northeast Dist., Contr. "T" Sanborn & Bogert, 30 Church St., New York City, consult. engrs.; adv. E. N.-R. May 5.

N. J., Teaneck—May 24, by Twp. Com., Municipal Bldg., Teaneck Rd. and Cedar Lane, 45,000 ft. laterals and subtrunks 8- to 12-in. in Northeast Dist., Contr. "U." Sanborn & Bogert, 30 Church St., New York City, consult. engrs.; adv. E. N.-R. May 5.

Pa., Elkins Park (Ind. br. Phila.)—May 11, by Bd. Comrs. Cheltenham Twp., 42,570 lin.ft. 6- to 20-in. vitr. sewer, etc., in Cheltenham Village; and 37,300 lin.ft. 6- to 12-in. vitr. sewer in Elkins Park and minor streets. Albright & Mebus, 1502 Locust St., Phila., and Glenside, engrs.

Ala., Birmingham—May 29, by City, approximately 15- to 72-in. storm sewers in Graymont Section. A. J. Hawkins, city engr.

O., Columbus—May 31, by W. H. Duffy, dir. Serv., 5,750 ft. 30 in. vitr., rein.-con. of circular shape or monolithic sewer, and 76,397 ft. 8- to 12-in. vitr. sewer, etc., in Glen Echo Section. $325,000.

Ind., Jeffersonville — May 10, by P. Spurgeon, city engr., 2¾ mi. 24- to 36-in. trunk line sewer in Walnut St., for City. $26,700. Noted Apr. 12.

Ill., Chicago—Sanitary District of Chicago, 910 South Michigan Ave., taking bids superstructure West Side Pumping Station, 2 story and 2 basement, 85 x 374½ ft., brick, tile and stone, also brick chimney 175 ft. high, near Laramie Ave. and Sanitary Channel. $1,500,000. H. P. Beller, 910 South Michigan Ave., archt. E. J. Kelley, 910 South Michigan Ave., ch. engr. Noted Feb. 10.

Ill., Glenview — May 10, by Village, sewers in various streets, $111,900; also watermains in various streets, $10,600. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs. Noted Oct. 28.

Mo., Kansas City — See "Contracts Awarded."

Calif., Los Angeles—May 11, by Los Angeles Co. Dist. 2, portion Joint Outfall Units 2, 3-a and 3-b from Rocha St. to point approximately 1,500 ft. northwest Wilmington-Redondo Beach Dr., 9,659 ft. 9 ft. 6 in. semi-elliptical section rein.-con. sanitary sewer with vitr. clay liners in upper portion, and 1,520 ft. 6 in. semi-elliptical rein.-con. sanitary sewer, etc.; also portion Joint Outfall Sewer 3 from Wilmington to Rocha Sts., 2,239 ft. 60 in. special heavy rein.-con. sanitary sewer and 4,785 ft. 9 ft. 6 in. semi-elliptical section rein.-con. sanitary sewer, etc. A. K. Warren, Law Bldg., engr.

Calif., Los Angeles—May 11, by Los Angeles Co. Sanitation Dist. 2, 3,299 ft. 48 in. special heavy rein.-con. sewer with 5,266 ft. 5 ft. 3 in. semi-elliptical section, etc. in Joint Outfall Units 6 and 7 from southern boundary of Dist. 2 to Atlantic Ave., 7,238 ft. 3 in. semi-elliptical section rein.-con. sewer, etc. Units 4 and 6 from Atlantic Ave. to Dist. 1 Main Trunk Sewer; 5,433 ft. 15 in. vitr. clay or machine made concrete sewer, Downey Trunk from Old River School Rd. trunk sewer to New St.; and 9,315 ft. 18 in. vitr. clay or machine made concrete sewer from Old River Rd. trunk sewer from Southern Pacific R.R. tracks to Dist. 2. A. K. Warren, 139 North Broadway, Los Angeles, engr.

Calif., Palo Alto—E. L. Beach, city clk., taking bids 2,350 ft. 10- to 18-in. concrete sewer etc. in Waverly St. J. F. Bxybee, Jr., city engr. Noted Mar. 3.

Ont., Dundalk—May 7, by T. Laughlin, clk. Proton Twp., R. R. 2, constructing Duncan Municipal Drain, incl. 1,570 ft. 16 in. concrete pipe, 3 in. c.i. catch basin covers, and 21,478 cu.yd. excav., etc. $50,000. U. W. Christie, Orangeville, engr.

Ont., Forest Hill—May 11, by L. W. Archer, clk., 417 Spadina Rd., Toronto, 8 in. and up vitr. tile lateral sewers in Southwest Section, Contr. D. and Northwest Area, Contr. F.; 48 in. concrete trunk sewer, Contr. E.; vitr. tile and concrete sewer pipe, specials, etc., Contr. G.; also 11,000 sq.ft. concrete sidewalk and 2,500 lin.ft. concrete curbing. $150,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—See "Contracts Awarded."

B. C., South Vancouver—See "Contracts Awarded."

Contracts Awarded

Mass., Lexington—City, c/o Bd. Selectmen, sewerage works in Massachusetts Ave. from Middle to Curve Sts. and East Lexington Depot, to A. Ross & Son, 627 Massachusetts Ave., $18,014. Engrs. est. $25,000. Noted June 3.

Conn., Waterbury — Bd. Pub. Welfare, City Hall, section intercepting sewer in Naugatuck River, here, to Cendella Co., Milford, $334,305. Noted Mar. 17.

N. Y., Brooklyn—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to Manmill Constr. Co., 1780 Pitkin Ave., sewers in East 52nd St. $3,004, East 3rd St. $3,937, in East 29th St. $4,052, and Atlantic Ave. $300; to A. Leonard, Grand Central Terminal, New York City, Shore Rd. $1,830. Grand total $13,123. Noted Apr. 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Muccinni & Decker, Inc., Queens Village, sewer in Winchester Blvd., $31,177; to P. J. Greenough, Inc., Forest Hills, sewer in 77th St. $3,475, 109th Ave. $805, and 114th Ave. $1,478; to Greenough Coppinger, 9301 86th Rd., Woodhaven, 91st St. $2,342, to Kew Contg. Co., Mineola, Summitt Pl. $1,617, Grove St. $4,175, Metropolitan Ave. $2,743, 39th Pl. $4,022, and Winthrop Blvd. $4,635, to Kennedy & Smith, Bradford St., Flushing, Laburnum Ave. $1,684, and 39th Pl. $3,303. Grand total $61,456. Noted Apr. 14.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., storm water overflow in sewer easement between Westchester Creek, and 177th St., to Spad Arrow Co., 169th St. and Harlem River, $314,433. Noted Apr. 14.

N. J., Trenton—Hamilton Twp., 5,650 ft. 10- to 20-in. c.i. drain, etc., in Homedell Sect., to Capitol Eng. Co., Trenton Trust Bldg., $41,439.

N. C., Durham—Extending sewer lines, to W. L. Rollins Co., Mount Holly, $20,588; making service connections, to Stowell Constr. Co., West Palm Beach, Fla., $17,410; also pipe, to Pomona Terra Cotta Co., Greensboro, $10,876. Grand total $48,874.

N. C., Greensboro—City, outfall for Glenwood sewerage system, to P. N. Howard, Greensboro, $39,026.

O., Columbus—W. H. Duffy, dir. Serv., 18,410 ft. 8- to 18-in. vitr. sanitary sewer, etc., in Industrial Ave., and 2,900 ft. 12- to 24-in. vitr. storm sewer in Central Ave., to M. S. Gaty, 1372 Grant Ave., $44,390 and $9,444 respectively.

O., Dayton—Intercepting sewer in Longworth St. pump house to Miami River, etc., to J. Kirschner, 23 East Ashley St., $24,299; also storm sewer in Belpre Ave., to F. M. Hall, 55 Bank St., $8,729.

O., Rocky River (br. Cleveland)—Sewer in Hilliard Rd., to Randall & Cooper, Lorain, $47,000.

O., Shaker Heights (br. Cleveland)—Sewer in Warrensville Center Rd., Sect. 1, to Abood & Lewis Constr. Co., 626 Huron Rd., Cleveland, $24,125; Sect. 2, to A. Marra Co., Engineers Bldg., Cleveland, $36,955; also Sects. 3 and 4, to Curro & Whittaker Co., Engineers Bldg., Cleveland, $46,884 and $39,863 respectively. Grand Total $147,827. Noted Mar. 10.

Ind., Vincennes—Constructing Sewerage System 9, to Rufas & Watts, c/o City Clerk, Vincennes, $36,836.

Mich., Detroit—Dept. Pub. Wks., Storm Sewers 4763, 4780 and 4781, to Teetaert & Moran Constr. Co., 851 St. Clair Ave., $20,449; Storm Sewer 4791, to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $8,200; Storm Sewer 4767, to Lincoln Constr. Co., 3615 Chene St., $7,428; Storm Sewer 4770 and 4783, to Western Constr. Co., 5123 Wesson Ave., $4,533; Storm Sewer 4785, to J. Leo, 1762 Puritan Ave., $3,673; Storm Sewer 4792, to S. Farino, 593 South Bayside Ave., $2,100; and Storm Sewer 4783, to Dept. Pub. Wks., City Hall, $8,200. Grand total $54,583.

Mich., Detroit—Dept. Pub. Wks., vitr. and 2-ring brick sewers, etc. in Lateral Sewers 4756 and 4761, to Waterway Constr. Co. $62,000; Lateral 4787, to J. & A. Pontarelli, 3459 St. Aubin Ave., $21,499; Lateral 4790, to Teetaert & Moran Constr. Co., 851 St. Clair St., $22,300; Lateral 4804, to T. D. Nolan, 106 West Montana St., $135,400; Lateral 4815, to Central Contg. & Eng. Co., 17576 Wyoming Ave., $4,723; and to Dept., Pub. Wks., Laterals 4805 and 4817, $33,800. Grand total $279,722.

Ia., Storm Lake—Buena Vista Co. to C. Carlson, Laurens, improving S-137 and 138, and S-77 and S-78, 62,825 ft. 6 in. tile drain at $0.103 per ft., and 80 intakes at $10 each; to C. W. McNamara, Sioux Falls, S. D., grading 19 mi. Projects 137 and 138, $35,240. Noted Jan. 27.

Kan., Atwood—V. C. Chessmore, city clk., sewage disposal plant and outfall sewers in various streets, to C. Snyder, Salina, $32,500.

Mo., Kansas City—Lake Tapawingo Development Co., 513 Pioneer Trust Bldg., will lay sewers in various streets, near here, by day labor. Engrs. est. to exceed $25,000. E. T. Archer & Co., 609 New England Bldg., engrs. Noted Apr. 7.

Tex., San Antonio—For 9 blocks 18 in. concrete storm sewers in Medina St. from Alazan Creek, to West Houston St., to J. L. Black, c/o I. Ewig, city engr, City Hall, $27,220. Noted Mar. 20.

Wash., Tacoma—Bd. Pub. Wks., 22,355 ft. 6- to 12-in. concrete sewers in various streets between East 32nd St. south to Sherman St., and 2nd St. between East P St. and Grandview Ave., to McHugh & Calluchio, Seattle, $46,736. Engrs. est. $55,128.

Calif., Carmel—Main and lateral sewers in various streets, to Frederickson & Watson, Builders Exch. Bldg., Oakland, $97,685. Noted Apr. 14.

Calif., Los Angeles—Storm drain in La Brea Ave., to W. F. Peck, 1120 Las Palmas St., $362,975.

Calif., Los Angeles—Bd. Pub. Wks., constructing Jefferson Storm Drain-Tallman St., etc., to M. Simunovich, 3305 West 66th St., $402,728. Noted Mar. 31.

Calif., Montebello—Approximately 27,190 ft. 8- to 15-in. cement sewers in various streets, to Mlagenovich & Gillespie, 1029 West 36th St., Los Angeles, approximately $47,105.

Ont., Toronto—T. Foster, chn. Bd. Control, will construct North Toronto Trunk Sewerage System, Sect. 3, concrete and brick, by day labor, $185,726; lane first west of Lesgar St., to Simone Bros., $1,600, and Sect. 15 North Toronto Sewerage System, to Connolly & Agnew, 606 Avenue Rd., $232,000. Grand total $219,526. Noted Feb. 24.

B. C., South Vancouver—Will lay 8- to 12-in. sewers in various streets in Cedar Cottage Dist., by day labor, under supervision E. D. Todd, engr., Municipal Hall. $30,000.

Waste Disposal

Proposed Work

Tex., Houston—Voted $100,000 bonds, incinerator. J. C. McVea, city engr.

Contracts Awarded

Pa., Phila. — Dept. Pub. Wks., Bureau Street Cleaning, 1 story, 60 x 122 ft., and 14 x 20 ft., rein.-con., brick and steel, plain foundation, 51st St. and Grays Ave., to Decaire Incinerator Corp., 345 Madison Ave., New York City, $150,000.

Bridges

Proposed Work

Mass., Boston—Dept. Pub. Wks., plans alterating and reconstructing bridge over tracks of Midland Div. of New York, New Haven & Hartford R.R., and concrete, steel and asphalt approaches at River St. Station. $25,000. J. H. Sullivan, comr.

Conn., Waterbury—Plans 60 x 100 ft. concrete bridge over Mad River. $25,000 or more. R. A. Cairns, City Hall, engr.

Pensylvania and New Jersey—State of Pennsylvania appropriated $25,000, preliminary surveys bridge over Delaware River between Phila., Pa. and Red Bank, N. J.

Ind., Fort Wayne — Comrs. Allen Co. plans bridge over St. Marys River, at Bway. $150,000.

Ind., Huntington—Huntington Co., plans Murphy Bridge, 200 ft. long, steel, over Salamonie River near Warren, also 17 smaller bridges. $73,702.

Ind., South Bend—Comrs. St. Joseph Co. making plans bridge, on Ernsberger St. $150,000.

Wisconsin—State Hy. Comn., Madison, making plans Town of Pittsfield Bridge, Sta. 124 plus 47, Brown Co., G. J. Cormier, comr., Green Bay; Belleville, White, Girard and Elmore Bridges, Dane Co., J. R. Caldwell, comr., Madison; Wacholz and Bucholz Bridges, Marquette Co., H. Schmitz, comr., Montello; Braeburn Bridge, Wauwatosa, Milwaukee Co., W. F. Cavanaugh, comr., Milwaukee; Birkholz, Keifer, and Randall Bridges also Woombill Bridges 1 and 2, Monroe Co., G. Goff, comr., Sparta; Christenson Bridges 1 and 2, in Martell, Pierce Co., C. F. Kenall, comr., Ellsworth; Nugent Bridge, Yorkville, Racine Co., E. R. Fischer, comr., Racine; Boerger, Millersville and Bartz Bridges, Sheboygan Co., G. W. Ubbelohe, comr., Sheboygan; Fintel Bridge, Genessee, Waukesha Co., C. J. Hahn, comr., Waukesha; Winters Bridge, Lind, Waupaca Co., J. Huffcutt, comr., Waupaca; Bauer Bridge, Wautoma, Waushara Co., F. Grimm, comr., Wautoma; Miller Bridge over Wolf River, Winnebago Co., C. F. Steiner, comr., Oshkosh; also Hanson and Raufman Bridges, Wood Co., E. Morris, comr., Wisconsin Rapids. C. H. Kirch, div. bridge engr.

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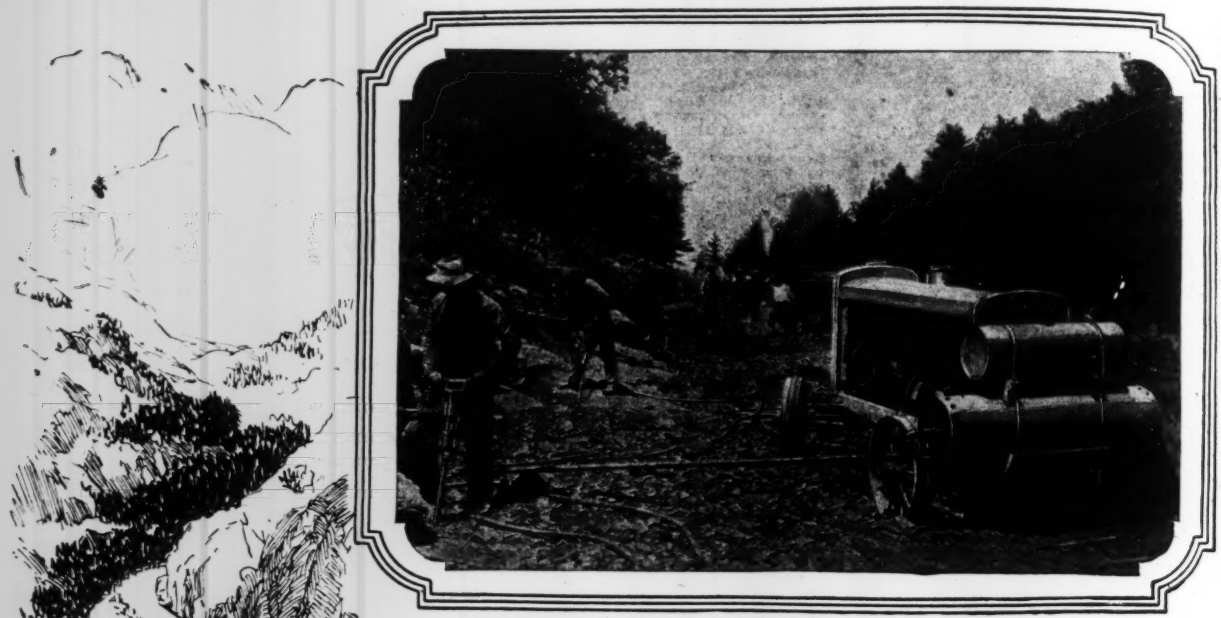

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Bridges (Continued)

Kan., Clay Center—Clay Co. rejected bids Apr. 7, for Morganville Bridge 200 ft. steel and 30 ft. approach spans over Republican River, on Bloom Rd., also lowering two 125 ft. steel spans on tubular piers. Will readvertise. H. L. Stevens, Court House, engr. Noted Mar. 31.

Mo., Kansas City—Pub. Serv. Co., plans steel bridge over railway tracks, at 9th and Mulberry Sts., also new steel rails on railway bridge. To exceed $25,000. A. G Harvey, 1501 Grand Ave., engr.

Okla., Granite — State Hy. Dept., Oklahoma City, making preliminary plans 1 span 90 ft. steel truss bridge on concrete piers over Rock Island R.R., tracks, Greer Co., here. $40,000. J. M. Page, highway engr.

Okla., Soper—State Hy. Dept., Oklahoma City, making preliminary plans 5 span 400 ft. steel truss bridge on piers over Boggy Creek, Choctaw Co., here. $125,000. J. M. Page, highway engr.

California—Southern Pacific R.R. Co., G. W. Boschke, ch. engr., 65 Market St., San Francisco, making plans railroad bridge with 70 ft. horizontal clearance and 19 ft. vertical clear, spans over Napa River, in Napa Co.

Calif., Napa—Napa Co. making plans 161 ft. steel girder and rein.-con. bridge on Third Street over Napa River, H. A. Harrold, city engr.

Calif., Riverside — Riverside Co. plans bridge over Santa Ana River at Auburndale. $115,000. A. C. Fulmour, Riverside, co. surv.

British Columbia — Provincial Government, Victoria, making plans steel truss bridge over Thompson River, in Savona, $180,000; also making surveys bridge over Fraser River, Quesnel, $100,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

B. C., Wardner—Provincial Govt., Victoria, making plans 2 or 3 span 460 ft. steel highway bridge over Kootenay River, here. $50,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

Bids Desired

N. H., Laconia — May 16, by Bd. Pub. Wks., 2 span steel truss bridge, Fair St.; adv. E. N.-R. May 5.

Massachusetts—May 10, by Dept. Pub. Wks., Boston, 125 ft. rein.-con. pile bridge on section highway in Dover and Needham, for Commonwealth of Massachusetts. W. F. Williams, comr.

Mass., Sandisfield (mail South Sandisfield)—May 17, by Dept. Pub. Wks., Boston, 2,500 ft. steel truss bridge and bituminous macadam approaches on section highway, here, for Commonwealth of Massachusetts. W. F. Williams, comr.

Florida—May 12, by State Road Dept., Tallahassee, 3 span 132 ft. concrete deck girder bridge, on F. A. Project 41, Road 4, Dade Co. J. L. Cresap, state highway engr.

O., Cleveland—May 11, by Comrs. Cuyahoga Co., repairing bridge over Rocky River, 90,000 lb. structural steel, 100,000 lb. steel car rails, 4,850 sq.yd. planking, and 4,000 sq.yd. wood block paving, etc. $74,165. F. Lander, Court House, engr.

Wisconsin—See "Streets and Roads."

Kan., Ft. Scott—May 17, by Clerk Bourbon Co., one 110 ft. arch span, and one 40 ft. deck girder span bridges on Federal Aid Project 5-C. H. McCurley, Ft. Scott, co. engr.

Tex., Raymondville—See "Streets and Roads."

Colorado—May 10, by State Hy. Dept., Denver, superstructure and approaches bridge over Colorado River, on Federal Aid Project 254-C, Contr. Div. 2, Grand Co. L. D. Blauvelt, Denver, engr.

Idaho—May 10, by Commissioner Pub. Wks., Boise, 450 ft. concrete and steel bridge over Payette River, on Federal Aid Project 54-B, South of Payette, Payette Co. J. D. Wood, comr.

Calif., Los Angeles—May 22, by Bd. Pub. Wks., bridge over Atchison, Topeka & Santa Fe R.R. tracks and Union Pacific R.R. tracks, on North Spring St., 9,495 cu.yd. concrete, etc. M. Butler, ch. city bridge engr.

Calif., Oakland—May 16, by G. Gross, clk. Alameda Co., underpinning center pile of bridge, at High St., 135 cu.yd. concrete, 310 lin.ft. sheet piling. G. A. Posey, Oakland, co. surv.

Calif., Riverside—May 16, by Supervs. Riverside Co., 260 ft. rein.-con. arch. bridge over Temecula River. $26,500. A. C. Fulmor, Riverside, co. surv.

Contracts Awarded

N. H., Campton—State Hy. Dept., Concord, 86 ft. span rein.-con. bridge, here, to Robie Constr. Co., Manchester, $14,086.

New York and New Jersey — Port Authority, 75 West St., New York City, open cofferdam foundation New Jersey Tower, Fort Washington-Fort Lee Bridge over Hudson River, to S. B. Mason, Inc., 17 West 60th St., New York City, $1,160,-200.. Noted Apr. 21.

N. Y., Poughkeepsie—F. S. Greene, supt., Pub. Wks., Albany, completing approach, anchorages and constructing superstructure Mid-Hudson Bridge, here, to Amer. Bridge Co., 30 Church St., New York City, $2,963,-259. Noted Mar. 17.

New Jersey—See "Streets and Roads."

N. J., Green Bank — Bd. Freeholders Burlington Co. (Mt. Holly) and Bd. Freeholders Atlantic Co. (Mays Landing), steel and concrete bridge over Mullica River, here, to Rancocas Constr. Co., Delano, $69,350.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on Project 840, Henderson Co., to E. A. Wood & Co., Andrews, $101,753; and on Project 676, Rowan Co., to T. A. Loving & Co., Goldsboro, $30,357. Noted Mar. 17.

Kentucky—State Hy. Dept., Frankfort, concrete substructure and approaches for bridge over Barren River, Federal Aid Project 112-B, Barren Co., to Alexander Bros., Cadiz, $28,222; steel superstructure for same bridge and for bridge over Licking River, State Aid Project 101-A, Pendleton Co., to Vincennes Bridge Co., Vincennes, Ind., $19,825 and $28,776 respectively; concrete substructure for Licking River Bridge, to Codell Constr. Co., Winchester $17,625. Grand total $94,448. Noted Mar. 3.

Ia., Cherokee—See "Unclassified."

Tex., Graham—See "Streets and Roads."

Calif., Oakland — G. E. Gross, clk. Alameda Co., constructing rein.-con. and steel girder bridge over Arroyo de La Laguna, on Road 5428, near Hacienda, Pleasanton Twp., to Baldwin Bros., Berkeley, $52,706. Noted Apr. 7.

Dams

Bids Desired

Mass., Fitchburg—May 23, at office G. H. Chase, comr. Pub. Wks., earth dam, gate house, etc.; adv. E. N.-R. May 5.

Tex., Abilene — May 27, by City Commissioners, earthen dam on Cedar Creek. W. A. Riney, city engr.; adv. E. N.-R. May 5.

Railways

Proposed Work

New Hampshire—Boston & Maine R.R. Co., F. C. Shepard, ch. constr. engr., Boston, Mass., plans 2 sidings, 85 car capacity, for north and south bound traffic at Manchester, here, $80,000.

Illinois—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., making preliminary plans 22 mi. coal tap line from point near Harrison mine in vicinity of De Soto to Pinckneyville; also 7.54 mi. coal line from Scranton mine spur to point near Crab Orchard. $1,000,000.

Illinois—Mobile & Ohio R.R. Co., St. Louis, Mo., R. A. Wood, ch. engr., plans expending approximately $1,500,000, lowering level of line near Cairo, etc., and grading work, from Cairo to East St. Louis.

Illinois and Iowa — Toledo, Peoria & Western R.R. Co., Peoria, Ill., M. V. Ward, engr., plans 5,100 ft. railroad extending from connection at point 900 ft. south of Iowa Junction (mail River Junction), Ia. to connection with Atchison, Topeka & Santa Fe Ry. at point in village Lomax, Ill., in Henderson Co., Ill.

California—Pacific Electric Ry., Pacific Electric Bldg., Los Angeles, F. C. Johnson, ch. engr., plans new roadbed and paving Santa Monica Blvd., in Santa Monica. $250,000 or more.

Bids Desired

Texas—See "Contracts Awarded."

Ontario and Quebec—May 12, by Nipissing Central Ry. (subsidiary of Temiskaming & Northern Ontario Ry. S. B. Clement, ch. engr.), North Bay, Ont., extending 27 mi. railway from Cheminis, to Rouyn, Que., Incl. excavation, clearing, close cutting, culverts, concrete abutments and piers, grubbing, grading, filling, fencing, piling, trestles, 80 lb. rails, wood ties, gravel ballast. $1,500,000.

Contracts Awarded

Missouri—See "Streets and Roads under Kansas City, Mo."

Texas—Chicago, Rock Island & Pacific R.R., C. A. Morse, ch. engr., La Salle St. Sta., Chicago, Ill., grading, etc., for 24 mi. extension roadway from Stinnett north, here, to Dennison-Lowrance Bros. & Co., Cushman, Ark., approximately $70,000; shovel work, to Hamilton & Gleason, Tramway Bldg., Denver, Colo., approximately $25,000. Taking bids on bridges, tracklaying, etc.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

O., New Boston—Making plans bridge fill over Millbrook Lake at east end Rhoades Ave., $52,000; and widening Gallia St. across the lake, $30,000. W. Newberry, mayor. State appropriates toward cost.

O., Portsmouth—Dept. Hys. & Pub. Wks., Columbus, plans straightening channel Scioto River, here. $85,000. G. F. Schlesinger, dir.

Minn., Aitkin—H. C. Beecher, aud. Aitkin Co., plans constructing McGregor Drain Ditch. $53,822.

Mo., Mound City—Missouri Valley D. D., c/o A. M. Tibbels, atty., making preliminary plans new main ditches and laterals to drain approximately 25,000 acres. C. E. Jacoby, Interstate Bldg., Kansas City, engr.

Tex., Houston — Voted $250,000 bonds, straightening and widening Buffalo Bayou; and $1,600,000 bonds, for drainage. J. C. McVea, city engr. Noted Mar. 31 and Apr. 7.

Bids Desired

N. J., Leonia (Ind. br. Hackensack) — May 9, by Bd. Educ., Leonia Grammar School, Broad and Crescent Aves., solid masonry retaining wall around high school athletic field. V. S. Ellington, 490 Broad Ave., engr.

Ill., East St. Louis — May 11, at office Clerk East Side Levee & Sanitary Dist., cleaning out Harding Ditch, 63,000 cu.yd. excav., etc. J. D. Johns, pres. Board Trustees.

B. C., Powell River—See "Unclassified."

Contracts Awarded

Mo., Carrollton — Dewitt Drainage & Levee Dist., 63,000 cu.yd. excav. in ditches, and 116,800 cu.yd. levee work, to C. E. C. Clark, 51st St. and Madison Rd., at $0.18 and $0.145 per cu.yd. respectively.

Texas—See "Railways."

Tex., Donna—Comrs. Hidalgo Co. irrigation project for 20,000 acres, 1,000,000 yd. earthwork, to J. D. George Constr. Co., Beaumont, at $0.08 per cu.yd. Noted Mar. 24.

Okla., Chandler—Dry Creek D. D. 6, drainage and straightening Dry Creek in D. D. 6, Lincoln Co., to E. E. Maston, Chandler, $27,216. Engrs. est. $35,000.

Calif., Turlock—A. Sorensen, secy. Turlock Irrigation Dist., completing 2-7,500 kw. units at Don Pedro, cement, f.o.b. Hickman, to T. E. Connolly, 461 Market St., San Francisco, $8,550; structural steel, to Western Pipe & Steel Co., 444 Market St., San Francisco, $3,569; hatchway cover plates, to Lewellyn Iron Wks., 1200 North Main St., Los Angeles, $310; drainage pump, to United Iron Wks., 580 2nd St., Oakland, $1,040; windows and frames, f.o.b. Hickman ventilators, to Builders Iron Wks., $1,083 and $308 respectively; and erecting electrical equipment, turbines, generators, etc. to be done by District forces. Noted Apr. 7.

B. C., New Westminster — Dominion Govt., Ottawa, Ont., dyke on Annieville bar on Fraser River, near here, to W. Greenlees, 525 Seymour St., Vancouver, $50,218.

Streets and Roads

Proposed Work

N. J., Aubudon (br. Camden) — Boro Comn. plans improving 5 streets. $76,000. Engineer not selected.

N. J., Toms River — Bd. Freeholders Ocean Co. plans concrete paving Seaside Park-Point Pleasant Rd. $25,000. J. M. Abbott, Toms River, engr.

Miss., Laurel — Making preliminary plans grading, curbing, concrete paving, etc. portions 5th, 7th, 13th and 15th Sts. $30,-000. F. Ross, City Hall, engr.

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Streets and Roads (Continued)

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 12 mi. Kenton-Union City Rd., Obion Co.; and 15 mi. Martin-Kentucky State Line Rd., Weakley and Obion Counties. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 15 mi. Fayettsville-Pulaski Rd., Lincoln Co. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, made surveys and plans grading, bridging, etc. 16 mi. Selmer-Cornith Rd., McNairy Co. C. N. Bass, highway comr.

Tenn., Carthage—Smith Co. and State Dept. Highways & Pub. Wks., Nashville, plan oiling 25 mi. Carthage-Wilson Co. line Rd. and Carthage-Trousdale Co. line Rd. C. N. Bass, highway engr.

Tenn., Decaturville—Decatur Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Decaturville-Perryville Rd. C. N. Bass, highway comr.

Tenn., Gallatin—Sumner Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 2.5 mi. Westmoreland-La Fayette Rd. C. N. Bass, highway comr.

Tenn., Tazewell—Claibourne Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 3 mi. Harrogate-Cumberland Gap Rd. C. N. Bass, highway comr.

O., Akron—W. F. Peters, dir. Pub. Serv., soon takes bids grading, curbing and vitr. brick paving 4,875 sq.yd. Oakland Ave., $43,000; and 4,900 sq.yd. Firestone Blvd. N., $55,700. E. A. Kemmler, Municipal Bldg., engr.

O., Cincinnati—Plans granite on concrete repaving 5,700 sq.yd. 2nd St. $76,979. C. O. Sherrill, City Hall, city mgr.

O., Jackson — Director of Serv. making plans grading, curbing, guttering and rein.-con. or vitr. brick paving, etc. approximately 2 mi. Broad, Oak, Bridge and West Sts., 22-30 ft. $33,000. Address City Engineer.

O., New Philadelphia—Comrs. Tuscarawas Co., take bids about May 27, improving Canton-Canal Dover Rd., $200,000; 3 mi. Dennison Natl. Rd., Intercounty Highway 506, Sect. I, $600,000; 4 mi. Dennison Natl. Rd., Intercounty Highway 506 A-1, $120,000; also 4 mi. New Comerstown-Stone Creek Rd., $30,000.

Ind., Browntown — Comrs. Jackson Co. plans concrete paving John Atkins Rd. $78,000. S. Carr, Browntown, aud.

Ind., Jeffersonville—Plans concrete curbing, sidewalks, and concrete paving 2 mi. East Maple St., Indiana and Ohio Aves., 30 and 36 ft. $28,000. Address City Engineer. Noted Apr. 21.

Ind., Vincennes — Making plans paving Upper 11th St. $29,330. Address City Clerk.

Mich., Detroit—Making plans concrete curbing and one course 8 in. concrete paving 26,210 sq.yd. Ellen and Marjorie Aves. and 9 streets, $104,910; Berea curbing and 3½ in. sheet asphalt on 8 in. concrete paving 238,120 sq.yd. Oakman Blvd., Vernor and Coolidge Highways, 11 avenues and 20 streets, $1,177,040. P. A. Fellows, City Hall, city engr.

Ill., Alton—Soon takes bids grading, curbing, rein.-con. paving, etc. 11,360 sq.yd. Washington Ave. $37,934. J. E. Schwab, City Hall, engr.

Ill., Flossmoor — Board Local Impvts. making plans sidewalks in east side of village. $50,000. D. J. Brumley, pres.

Ia., Exira—City Clerk takes bids latter part May, grading, hardsurfacing, etc. 20 blocks various streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Dysart — Soon takes bids grading, curbing and paving 12,000 sq.yd. various streets. Barner & Schenk, 228 West 4th St., Waterloo, engrs.

Ia., Sioux City—Soon takes bids concrete paving 500 sq.yd. 33rd St. $1,050, and 950 sq.yd. South Helen St. $2,215; asphalt or concrete paving 3,100 sq.yd. Pearl St. $5,534 or $7,162; curbing, guttering and paving 5,200 sq.yd. Cypress and Glenn Aves. $11,655, and 18,750 sq.yd. 4th St. $41,344. L. N. Hintgen City Hall, engr.

Ia., Sioux City—Soon takes bids paving 31,480 sq.yd. 8 various alleys, Washington Ave., West, Grand, Westcott, West 18th, Lowell, Chambers, South Cedar and Cecelia Sts. $71,258. L. N. Hington, city engr.

Minn., St. Paul—Making plans asphaltic concrete paving Princeton Ave. between Cleveland and Fairview Aves., $35,000; and White Bear Rd. between Edgerton St. and Payne Ave., $6,000. G. M. Shepard, City Hall, engr.

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Minn., Winona — Making plans paving approximately 15,000 sq.yd. various streets. $45,000. E. E. Chadwick, city engr. Noted Mar. 10.

Kan., Erie—Neosho Co. plans grading, etc., 10.78 mi. Road K-6, Federal Aid Project 380-A, 30 ft. C. P. McDonald, Court House, engr.

Kan., Great Bend — Barton Co. making preliminary plans grading, sand clay surfacing, etc. 15.556 mi. Federal Aid Project 383-A, 30 ft. L. L. Petticord, Court House, engr.

Kan., Hutchinson—Takes bids in summer sheet asphalt and vitr. brick on concrete surfacing, etc. several miles Avenue A, Madison and East 14th Sts., 4th and 9th Aves. R. B. Lee, City Hall, engr.

Kan., Iola—Allen Co. plans grading, concrete surfacing, etc. 3.004 mi. Federal Aid Project 328-B, 18 ft. L. J. Noftzger, Iola, co. engr.

Kan., Kansas City—Wyandotte Co. plans grading, curbing, bituminous macadam or concrete surfacing 5.88 mi. Samuel Clark Rd., 18 ft. O. K. Williamson, Kansas City, co. engr.

Kan., Russell—Russell Co. plans grading, etc. 6.263 mi. Federal Aid Project 301-E, 28 ft. F. S. Gilmore, Russell, co. engr.

Kan., Salina—Saline Co. plans grading, etc. 8.543 mi. Federal Aid Project 374-A, 30 ft. W. H. Cost, Salina, co. engr.

Kan., Scott City—Scott Co. making plans grading, graveling, etc. 23.949 mi. Federal Aid Project 387-A and B, 28 ft. F. Petefish, Court House, engr.

Neb., Creighton—Soon takes bids grading and concrete paving 3 blocks and graveling 9 blocks various streets; also 12 cluster street lights.

Neb., Laurel—Making preliminary plans grading, curbing and alternate types paving, etc. 25 blocks various streets.

Neb., Plattsmouth—Making prelliminary plans grading and concrete paving, etc. 19 blocks, and graveling 10 blocks various streets.

N. D., Schafer—McKenzie Co. making plans 15 mi. road from Schafer to Arnegard. $45,000. A. Tolefson, co. aud.

Mo., Clayton—St. Louis Co. making preliminary plans repairing and maintaining various roads. $350,000. R. Jablonsky, Court House, engr.

Mo., Kansas City—Making plans bituminous macadam paving in Swope Park. To exceed $25,000. F. Gableman, Park Bd., City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans asphalt, amiesite or warrenite repaving, etc. Euclid Ave. between Easton Ave. and United Railways in City Block 4486-S $17,800-$21,500, Euclid Ave. United Railways in C.B. 4486-S and C.B. 4493-B $14,300-$16,400, Euclid Ave. between alley in C.B. 4493-B and North Cote Brillinate Ave. $9,600-$11,300, and Enright Ave. between Grand Blvd. and Vendeventer Ave. $39,400-$39,500; widening and asphalt paving Washington Blvd. between Grand Blvd. and Spring Ave., $13,750; also grading, rein.-con., vibrolithic concrete, asphalt, warrenite, amiesite or asphaltic concrete paving, etc. Osceola St. between Grand Blvd. and Cleveland Sub-Division $25,600-$27,900. W. W. Horner, 300 City Hall, city engr.

Ark., Ft. Smith—Election May 24, $300,000 bonds, opening and widening 7th and 8th Sts., etc. Noted Mar. 4.

Tex., Galveston—Election May 10, $200,000 bonds, paving, improving, etc. various streets. C. A. Hoey, city engr.

Tex., Houston—Voted $1,000,000 bonds, paving all streets; also $300,000 bonds graveling and shelling various streets. J. C. McVea, city engr. Noted Mar. 31.

Tex., McLean—Plans grading, curbing and paving various business streets. Hasie & Rady, Clarendon, engrs.

Tex., San Antonio—Making plans extending 2 blocks East Travis St. from North Alamo St. to intersection Houston and Nacogdoches Sts., 45 ft. $225,000. I. Ewig, city engr. Noted Mar. 3.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc. 12 mi. State Highway 16, 30 ft., Nowata Co. $65,000. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, made plans concrete surfacing 84,000 sq.yd. State Road 4, Carter Co., $200,000; grading, etc. 10 mi. State Highway 9, Greer Co. $45,000 12 mi. State Highway 9, Muskogee Co. $60,000, 100 mi. entire county roads Okmulgee Co. $1,600,000, and 15 mi. State Road 28, Roger Mills Co. $60,000, all foregoing 30 ft. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading, etc. 9 mi. Pryor-Locust Grove Rd., 30 ft., Mayes Co. $35,000. J. M. Page, highway engr.

Okla., Guymon—Plans grading, curbing and concrete paving 17,200 sq.yd. Dist. 4, $57,000. F. E. Devlin, Sedgwick Bldg. Wichita, Kan., engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading, etc. 12 mi. State Rd. 15, 30 ft. $45,000. J. M. Page, highway engr.

Okla., Ada—Voted $40,000 bonds, concrete resurfacing 21,000 sq.yd. Main St. H. S. Darlington, Ada, engr. Noted Apr. 14.

Okla., Bokoshe — Making preliminary plans grading, curbing and concrete paving 9,100 sq.yd. Main St. $30,000. S. Turner, city clk. Engineer not selected.

Okla., Bristow—Plans grading, curbing and vertical fibre brick paving 6,200 sq.yd. in Dist. 28. $30,916. C. Wilson, Weatherford, engr.

Okla., Chandler—Voted $1,200,000 bonds, paving 103 mi. and graveling 50 mi. primary and secondary roads. A. Burgess, Chandler, co. clk. Noted Apr. 14.

Okla., Chickasha—Plans grading, curbing and sheet asphalt paving 9,110 sq.yd. 4th St. $36,421. R. O. Bradley, Chickasha, engr.

Okla., Enid—Plans grading, curbing and concrete paving 8,700 sq.yd. Independence Ave. $46,225. F. C. Magruder, Enid, engr.

Okla., Nowata — Making preliminary plans grading and concrete paving 12,500 sq.yd. Dist. 11. $40,000. R. W. Simpson, mayor. Engineer not selected.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 11,200 sq.yd. Walker St. $52,000, and 8,600 sq.yd. various alleys $43,109; also sheet asphalt repaving 16,210 sq.yd. West 12th St., $33,100. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 8,210 sq.yd. Nelson St. $34,260. B. M. Hart, City Hall, engr.

Okla., Okmulgee—Plans grading, curbing and concrete paving 8,600 sq.yd. in Dist. 65. $28,445. W. C. Hallock, city engr.

Okla., Seminole—Plans grading, curbing and concrete paving 9,200 sq.yd. in Dist. 7. $36,700. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Wewoka—Seminole Co. making plans grading, etc. 10 mi. Seminole-Lima Rd., 30 ft. $60,000. R. Grace, Wewoka, engr.

Colo., Pueblo—City Comn. soon takes bids concrete curbing, guttering, concrete sidewalks, grading and gravel paving 20,000 cu.yd. 8th Ave., High, 30th and 31st Sts., $30,000; and warranite-bitulithic on 3 in. asphaltic concrete paving 20,000 sq.yd. portions Spruce, Pine, Cedar and Summit Sts., $100,000. D. P. Gaymon, City Hall, engr. Noted Mar. 10.

California—State Hy. Dept., Sacramento, making specifications macadam paving 5 mi. roadway, San Mateo Co., to exceed $250,000; also making plans crushed rock and oil surfacing approximately 13 mi. roadway through Malibu Ranch, Los Angeles Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Beverly Hills—Making plans 2 in. warrenite on 5 in. asphaltic concrete paving, etc. Beverly Blvd. between Pacific Electric Ry. tracks and Hollywood city limits. To exceed $25,000. J. C. Albers, city engr.

Calif., Huntington Park—Plans election $200,000 bonds, repaving and ornamental lighting system, etc. on Slauson and Florence Aves., etc.

Calif., Glendale—Plans 3 in. warrenite paving, etc. portions Freemont Pl. and Wabasso Way., etc. To exceed $25,000.

Calif., Hayward — Made plans curbing, guttering, walks and 1½ in. warrenite-bitulithic on 3½ in. asphaltic concrete paving 43,260 sq.ft. Pearce Ave. and Simon St., etc. J. B. Holly, city engr.

Calif., Los Angeles—Plans paving San Fernando Rd. between Burbank and San Fernando. To exceed $115,000. Los Angeles Co., appropriates toward cost. J. Shaw, city engr.

Calif., Los Angeles—Plans concrete and asphalt paving, etc. Cahuenga Blvd. between Oakcrest Dr. and Lankershim Blvd., to exceed $75,000; asphaltic concrete and concrete paving, walks, vitr. sewers, etc. in Imogene Ave. and Ellsworth St., etc., to exceed $25,000.

Calif., Marysville—Yuba Co. plans concrete paving 6 mi. Feather River Rd., and asphaltic concrete paving approximately 3 mi. Hamerton Highway to O'Banion Corners. To exceed $25,000.

Calif., Monrovia — Plans paving, etc. Myrtle and White Oak Aves., etc. To exceed $25,000. H. S. Gierlich, city engr.

Calif., Oakland — Made plans grading, curbing, guttering, walks and oil macadam paving, etc. 43,112 sq.ft. Holly St., 67,290 sq.ft. Birch St., 91,773 sq.ft. East 7th St., and 43,257 sq.ft. Olive St.; also grading, curbing, guttering, walks and 4 in.

Streets and Roads (Continued)

macadam paving 79,577 sq.ft. A St. W. W. Harmon, city engr.

Calif., Oceanside — Made plans grading, curbing, guttering, walks, etc. on Leonard Ave., Hill and Clementine Sts. To exceed $25,000.

Calif., Roseville—Plans grading, and 1½ Warrenite bitulithic on 2½ in. asphaltic concrete paving 163,600 sq.ft. Placer Ave. and South Lincoln St., etc. C. C. Kennedy, Call Bldg., San Francisco.

Calif., Salinas—Monterey Co. made plans surfacing Watsonville-San Juan Rd., 6,500 tons rock, and 300 bbl. asphaltic oil. H. F. Cozzens, Salinas, co. surv.

Calif., San Bernardino—Making plans walks and concrete paving, etc. G. St. between Highland and Marshall Blvds. To exceed $35,000. J. Johnson, city engr.

Calif., San Diego—Bd. Supervs. San Diego Co., plans curbing, walks and 6 in. concrete paving 555,826 sq.ft. Fairmount Ave. and 47th St. P. R. Watson, supt. work.

Calif., Santa Ana—Orange Co. plans paving, etc. Carbon Canyon Rd. To exceed $25,000.

Calif., Yuba City—Plans paving Teegarden and Shasta Sts., etc. To exceed $25,000.

Ont., Brampton—Peel Co. plans grading, ditching, macadam, gravel and concrete paving various roads. $120,000. N. L. Powell, Brampton, engr. Noted Mar. 3.

Ont., Guelph — Making plans concrete curbing, guttering and asphalt or concrete paving 7,500 sq.yd. Tipperary Pl., Harrison Ave., Grange, Trycathleen and Stuart Sts. $30,000. H. S. Nicklin, City Hall, engr.

Ont., New Toronto—Plans probably concrete paving 20,000 sq.yd. Hamilton Highway from east to west town limits. $85,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Que., Outremont—City Council soon takes bids sidewalks, curbing, grading, macadam, asphalt, surfacing and concrete paving various streets. $207,500.

Ont., Ottawa—Ottawa Suburban Roads Comn. plans penetration macadam paving 8 mi. Russell Rd., 20 ft. $150,000. A. K. Hay, 279 Carling Ave., engr.

Ont., Riverside—Plans concrete paving and sewers in various streets. $50,000. G. G. Reid, City Hall, engr.

Ont., Stratford—Making plans concrete paving Caledonia, Avondale and St. Andrew Sts. $40,000. A. B. Manson, City Hall, engr.

B. C., South Vancouver—Plans permanent paving various streets. $112,750. E. D. Todd, Municipal Hall, engr.

Bids Desired

Massachusetts—May 10, by Dept. Pub. Wks., Boston, bituminous macadam paving 2,555 ft. highway in Shirley and 1,155 ft. in Stoughton. W. F. Williams, comr.

Massachusetts—May 10, by Dept. Pub. Wks., Boston, bituminius macadam paving 25,741 ft. highway in Granby and South Hadley. W. F. Williams, comr.

Mass., Waltham (Ind. br. Boston)—May 11, by Pub. Wks. Dept., 10,000 sq.yd. concrete sidewalks, 1,500 sq.yd. concrete driveways, and 4,000 lin.ft. cement curbing on various streets. G. C. Brehm, dir.

Mass., Winthrop—May 9, by Bd. Selectmen, Town Hall, gravel and bituminous macadam paving various streets and roads. $25,000 or more. Private plans.

Conn., Wallingford—May 10, by Warden and Court of Burgesses, at office F. J. Whitney, boro clk., curbing and guttering Ward and South Main Sts. W. A. MacKenzie, boro engr.; adv. E. N.-R. May 5.

New York—May 20, by A. W. Brandt, comr. Highways, Albany, constructing roads in Allegany, Livingston, Columbia, Rensselaer and Steuben Counties; also reconstructing roads in Chenango, Otsego, Dutchess, Essex, Genesee, Madison, Monroe, Niagara, Orange, Putnam, Westchester and Wyoming Counties, also bridge in Tioga Co.; adv. E. N.-R. May 5.

N. Y., Brooklyn — May 11, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Dahill Rd.; 3 in. asphalt block on concrete paving paving 48th St.; and sheet asphalt on 6 in. concrete paving New York, Nostrand and Knickerbocker Aves., Avenue O, 58th, 51st, Lott, East 43rd, Cooper and Bay 34th Sts.

N. Y., Long Island City—May 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, Mott Ave., 214th Pl. (1st St.) and Cameron Terrace; grading and sheet asphalt paving Amstel Blvd., Sherman, Goodrich, 80th (Hudson), 103rd, Waldron, and 96th Sts.

N. Y., Poughkeepsie — May 19, by Bd. Pub. Wks., Eastman Park Mansion, grading, and 2 in. sheet asphalt on 8 in. rein.-con. and 6 in. concrete paving 13,700 sq.yd. Dean Pl., Academy and New Market Sts. T. F. Lawlor, supt.; adv. E. N.-R. May 5.

N. Y., St. George—May 11, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Hylan Blvd.; and bituminous macadam paving New Dorp Lane.

New Jersey — May 16, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 43,083 sq.yd. Pennington-Woodsville Rd., Mercer Co.; and 56,884 sq.yd. Woodsville-Pingoes Rd., Huntington Co. A. L. Grover, ch. clk.; adv. E. N.-R. May 5.

New Jersey — May 23, by State Hy. Comn., Trenton, constructing embankments, concrete structures, etc. for Sect. 14-B, Route 1 extension, in Newark, Essex Co. A. L. Grover, ch. clk.

N. J., Seaside Park—May 10, by Bd. Freeholders Ocean Co. (Toms River), paving 14,565 sq.yd. East Central Ave., here. J. M. Abbott, Toms River, engr.

N. J., South Orange—May 13, by Streets & Highways Com. of Bd. Village Trustees, Village Hall, concrete curbing and sidewalks on Park Pl., Wyoming Ave., and Ridgewood Rd. also storm water sewer in Ridgewood Rd. and between Wyoming and South Orange Aves. I. T. Redfern, village engr.

N. J., Sparta — May 17, by Bd. Freeholders Sussex Co., Newton, grading and graveling 15,217 sq.yd. Sparta Glen Rd. H. Snook, co. engr.; adv. E. N.-R. May 5.

Pa., Phila.—May 10, by Dept. Pub. Wks., Bureau of Highways, Schedule A, improving City Ave.; Schedule B, grading, Schedule C, asphalt paving (assessment work); Schedule D, grading county roads; Schedule E, asphalt repaving; Schedule F, paving and repaving Germantown Ave.; Schedule G, grading and paving Rising Sun Ave.; Schedule H, applying bituminous dust layer; Schedule I, materials for highway repairs; Schedule J, paving and repaving certain alleys; and Schedule K, repairing bridges. G. H. Biles, dir.

Maryland — May 10, by State Roads Comn., 601 Garrett Bldg., concrete paving 0.43 mi. Contr. B-80, and 2.64 mi. Contr. B-81 Baltimore Co., 2.98 mi. Contr. G-31, and 1.75 mi. Contr. B-35, Garrett Co., 1.4 mi. Contr. H-55, and concrete shoulders 3.09 mi. Contr. H-3-B, Harford Co., 5.68 mi. Contr. W-1-A, Washington Co. J. N. Mackall, chn.

Md., Baltimore—May 11, by Bd. Awards, concrete paving 11,825 sq.yd. streets listed Contr. 407. S. Purcell, City Hall, highways engr.

South Carolina—May 17, by State Hy. Dept., Columbia (**S.P. means State Project F.A. Federal Aid Project, R Route, and Contr. Contract**), grading and plain concrete paving, etc. 20,000 sq.yd. Rs. 26 and 41, F.A. 80 Williamsburg Co., 1,178 sq.yd. R. 8, S.P. S-600 Greenville Co., 10.3 mi. R. 3, S.P. S-649 Florence Co., 108,993 sq.yd. R 26 and 41, F.A. 80 Williamsburg Co., 165,888 sq.yd. R. 6, F.A. 99, and 121,440 sq.yd. R. 30, F.A. 208-A, both Colleton Co.; grading and asphaltic concrete paving, etc. 122,884 sq.yd. R. 1, F.A. 199 Jasper Co., 145,858 sq.yd. R. 1, F.A. 200, Beaufort and Jasper Counties, 80,256 sq.yd. R. 23, S.P. S-657 Contr. 2, 22,864 sq.yd. R. 23, F.A. 209, and constructing rein.-con. bridge on F.A. 50-B, all foregoing Dillon Co. C. H. Moorfield, highway engr.

South Carolina — May 17, by State Hy. Dept., Columbia, grading, etc. 7.7 mi. Route 1, Federal Aid Project 79, Jasper Co. C. H. Moorfield, highway engr.

Fla., Inverness—May 16, by Comrs. Citrus Co., grading and limestone paving 11.8 mi. highway. E. V. Camp & Associates, Inc., Pen Casualty Bldg., Jacksonville, engrs.

Fla., Tampa—May 10, by City Comn. at office City Clerk, concrete curbing, brick on shell or limerock paving alley between South Oregon and South Dakota Aves., etc. W. L. Brown, city mgr.

Ala., Birmingham—May 23, by City Comn., grading, bridging, curbing, walks, and 2 in. asphalt on 6 in. concrete paving, etc. 5 blocks 77th St., 36 ft., $53,000; curbing, guttering and 2 in. asphalt on 5 in. concrete paving, etc. 7 blocks 47th St., 28 ft. $27,000, and 3 blocks 5th Ave. W., 60 ft. $20,000; also 6 ft. cement walks, 3 blocks various streets. $2,500. A. J. Hawkins, city engr.

Miss., Brookhaven—May 13, by Chancery Clerk Lincoln Co., improving 5.492 mi. Federal Aid Project 89-B, incl. bridges over 20 ft. span, 54,669 cu.yd. excav. and borrow, 12,862 cu.yd. gravel 1 mi. haul, 24,077 units overhaul, 2.45 mi. Bermuda sod, 50,611 ft. reinforcing 1,280 ft. foundation piling, etc. H. C. Dietzer, Jackson, engr.

Louisiana—May 17, by State Hy. Comn., Baton Rouge, constructing 2.741 mi. Roadway Embankment, on State Project 484-B, Unit 1, DeQuincy-Texas Highway, Calcasieu Parish. J. M. Fourmy, highway engr.

Tenn., Nashville — See "Contracts Awarded."

O., Akron—May 6, by Comrs. Summit Co., grading, curbing, guttering and rein.-con. paving 1,806 sq.yd. or bituminous concrete paving 1,650 sq.yd. Bath-Stow Rd. C. H. 48, Sects. F. and G. $55,500. H. G. Sours, Court House, engr.

O., Akron — May 9, by Comrs. Summit Co., concrete widening, etc. 16,400 sq.yd. Arlington Rd. C. H. 15, Sects. A and B. $70,000. H. G. Sours, Court House, engr.

O., Akron — May 16, by Comrs. Summit Co., grading and slag, limestone or traffic bound paving 3.14 mi. Hametown-Eastern Rd. C. H. 55, Sect. A. H. G. Sours, Court House, engr.

O., Akron—May 16, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving, etc. 2,930 sq.yd. Delmar Ave. $23,600, 1,400 sq.yd. North Summit St. $61,500, 1,200 sq.yd. McNaughton St. $9,100, and 2,420 sq.yd. Westwood Alley, et al $23,000; grading, curbing, guttering and sheet asphalt paving 2,200 sq.yd. Rose Blvd., $25,000; also grading, walks and cindering 160 cu.yd. Hite St. $3,175. E. A. Kemmler, Municipal Bldg., engr. Noted Apr. 21.

O., Cleveland—May 11, by City, paving, etc., West 21st Pl., Columbus Rd. S. W., Highland Rd. S. W., and Triskett Rd. N. W., Barber and Park Lane Aves., Biddulph Ave. S. W., Owosso Ave. S. E., Putnam Ave. S. E., Regina Ave. N. W., Shawnee Ave. N. E., Treadway Ave. S. W., Urbana Ave. N. E., and West Ave. S. W., East 153rd, West 14th and West 42nd Sts. R. Hoffman, City Hall, engs.

O., Columbus—May 31, by W. H. Duffy, dir. of Service, grading, curbing and paving 12,450 sq.yd. Kelton and Richardson Aves., brick $82,828, asphalt $77,526. R. H. Simpson, city engr.

O., Millersburg—May 7, by F. E. Aultman, clk. Holmes Co., grading and slag paving 2 mi. Sect. "B" Winesburg-Walnut Creek Rd. $25,557. K. Snyder, Court House, co. surv.

O., Wooster—May 18, by Bd. Control, asphalt or brick paving 16,300 sq.yd. Forest Dr., Columbus and Blessing Aves., Larwill, Pine and University Sts. $75,000. A. H. Wedge, city engr.

Ind., Anderson — May 15, by Comrs. Madison Co., concrete paving 1 mi. M. E. Cain Rd. $22,500, and 1½ mi. F. C. Keroeger and John Lane Rds. $28,000. M. A. Steele, Anderson, engr.

Ind., Greencastle — May 18, by Comrs. Putman Co., emulsified asphalt paving E. C. Rogers Rd., $78,111; concrete paving David Pollon Rd., $98,172; crushed stone paving W. O. Clodfeller Rd. $45,320, and Orra Keller Rd. $43,810. W. D. Lovett, Greencastle, aud.

Ind., Jeffersonville — May 14, by Comrs. Clark Co., macadam paving 11,962 ft. Wm. Gilmore Rd. $23,155. J. L. Stoner, Jeffersonville, aud.

Ind., Logansport—May 11, by Bd. Wks., brick, asphalt and concrete paving 13th St. $38,944, 15th St. $32,878, and Wilkinson St. $20,198. M. D. Brower, city clk.

Michigan—May 11, by H. C. Fleming, resident engr., Grand Rapids, concrete paving 8,327 sq.yd. F. A. 155, Sect. A, F070-10 Contr. 1, Ottawa Co., for State Hy. Dept., Lansing.

Michigan — May 12, by W. W. Lavers, resident engr., Plymouth, grading, widening and concrete paving 2.568 mi. S. T. L. 10-61 B. 063-5 Sect. B., Contr. 1, Oakland Co., for State Hy. Dept., Lansing.

Mich., Birmingham—May 10, by Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., Detroit, sidewalks, sewers and one-course 8 in. concrete paving, etc. 13,099 sq.yd. Quarten Lakes Estates Drives, here, for Quarten Lakes Estates. $45,000.

Mich., Ionia—May 10, by Comrs. Ionia Co., graveling 5.11 mi. Assessment Dist. Road 37, Portland and Lyons Twps.; 5.1 mi. Assessment Dist. Road 39, Orange and Portland Twps.; and 6.04 mi. Assessment Dist. Road 40, Campbell and Boston Twps.

Mich., Grand Rapids—May 10, by Comrs. Kent Co., 1500 Scribner ve. N. W., one-course graveling 29,370 sq.yd. Nelson-Sand Lake Rd., Nelson Twp. O. S. Hess, Grand Rapids, co. engr.

Ill., Ashton — May 12, by Bd. Local Impvts., curbing, guttering and concrete, brick or warrenite bitulithic paving 2,608 sq.yd. various streets. W. M. Hay, De Kalb, engr. Noted Apr. 14.

Ill., Dixon—May 14, by W. Peach, comr. Highway Lee Co., Court House, graveling 20 mi. various roads, in Hamilton Twp., 12 ft. $25,000. F. W. Leake, Court House, co. engr. Noted Apr. 21.

Ill., Springfield—May 9, by Bd. Local Impvts., grading, curbing and vitr. brick

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Streets and Roads (Continued)

on concrete paving 9 blocks Mason St. $55,951. W. Seeley, City Hall, engr.

Ill., Sublette—May 9, by B. J. Pull, comr. Highways, Lee Co. graveling 15 mi. 7 sections various highways in Sublette Twp., 12 ft. $40,000. F. W. Leake, Court House, Dixon, engr. Noted Apr. 14.

Wisconsin—May 10, by State Hy. Comn., 213 South Barstow St., Eau Claire, **(F. A. P. means Federal Aid Project and S. P. State Project)**, graveling, etc., 1,275 cu.yd. F. A. P. 400-A, St. Croix Co., 1,726 cu.yd. F. A. P. 332-A, and 5,064 cu.yd. S. A. P. 6852, Taylor Co., and 3,926 cu.yd. Augusta-Eau Claire Rd., Eau Claire Co.; grading approximately 16,540 cu.yd. S. P. 6851, Taylor Co.; grading and bridging, etc., 7.36 mi. New Auburn-Chippewa Falls Rd., Project 6939, Chippewa Co.; also constructing Fournier and Hoffman Bridges, Taylor Co. W. F. Baumgartner, div. engr.

Wisconsin—May 13, by State Hy. Comn., Capitol Annex, Madison, grading, concrete paving, etc., 17,754 sq.yd. Shullsburg-Monroe Rd., Federal Aid Project 374-D, 20,178 sq.yd. Monroe-Argyle Rd. (east end) Div. Job 1077, and 34,200 sq.yd. (west end) same road, all Green Co. A. L. Hambrecht, div. engr.

Wis., Green Bay—May 10, by State Hy. Comn., and G. J. Cormier, comr. Brown Co., grading, concrete paving, etc., 55,153 sq.yd. Morrison-Wayside Rd., State Project 3008; 13,448 sq.yd. Finger Rd., County Job 2; and 3,200 sq.yd. Decker Avenue Rd., County Job 3. O. C. Rollman, div. engr.

Ia., Carroll—May 11, at office Auditor Carroll Co., graveling 5 mi. roads. J. F. Maher, Carroll, co. engr.

Ia., Cedar Rapids — May 9, by City, paving 35 blocks various streets. $120,000. L. J. Storey, city clk. Noted Apr. 21.

Ia., Hampton—May 10, by Auditor Franklin Co., improving 5 mi. Primary-Secondary Project S-139, 53,480 cu.yd. excav., 492 ft. 12- to 24-in. culvert pipe, 35,233 sta.yd. overhaul, 2,170 ft. 6 in. tile drain, etc.; and 5 mi. S-140, 74,722 cu.yd. excav., 568 ft. 12- to 24-in. culvert pipe, 1,200 ft. 6 in. tile drain, etc. M. E. Hichetheir, Hampton, co. engr.

Minn., Duluth—June 20, by G. P. Philips, city comr., grading, curbing, sidewalks and concrete paving 18,070 sq.yd. 57th Ave. from Grand Ave. to Warden St., and 57th Ave., from Warden to Medina Sts. J. Wilson, city engr.

Kan., Clay Center — May 19, by Clerk Clay Co., grading, etc. 7.943 mi. Federal Aid Project 385-A, 28 ft., 12,117 lin.ft. hedge, 3,660 ft. guard fence, 49,510 lb. reinforcing, 986 ft. 18 and 24 in. corrugated metal pipe, etc. Kansas City Eng. Co., 601 Kansas St., Topeka, engrs. Noted Feb. 3.

Kan., Eureka—May 26, by Clerk Greenwood Co., improving 7.803 mi. Federal Aid Project 239-E, 28 ft., 3,940 ft. hedge, 2,130 ft. guard fence, 47,940 cu.yd. excav., 37,340 lb. steel, 465 sq.yd. rip rap, etc.

Kan., Greensburg—May 27, by Clerk Kiowa Co., improving 9.376 mi. Federal Aid Project 305-C, 28 ft., 4,140 ft. guard fence, 80,777 cu.yd. excav., 40,509 lb. steel, 414 ft. 15- to 24-ft. corrugated metal pipe, etc. A. D. Askins, Greensburg, co. engr. Noted Mar. 10.

Kan., Kansas City—May 16, by Clerk Wyandotte Co., concrete or bituminous macadam surfacing 5 mi. Samuel Clark Rd., 18 ft. O. K. Williamson, Kansas City, engr. Noted Mar. 10.

Kan., Lawrence—May 9, by City Clerk, brick or concrete paving 21,000 sq.yd. various streets. C. Hugh, Lawrence, engr.

Kan., Paola—May 24, by Clerk Miami Co., grading, curbing, guttering and vitr. brick, bituminous macadam or concrete surfacing 62,172 sq.yd. Federal Aid Project 293-A. L. E. Keefer, Paola, co. engr. Noted Apr. 28.

Neb., Omaha—May 10, by J. P. Hoctor, city clk., grading, paving, etc. various streets in Impvt. Dists. 2475, 2751, 2808, 2853, 2863, 3059, 3082, 3095, 3129, 3133, 3135, 3136, 3137, 3138, 3139, 3144, 3150 and 3163. To exceed $25,000. H. Beal, city engr.

Neb., Wayne—May 10, by W. S. Bressler, city clk., grading, curbing, and concrete paving approximately 10,000 yd. streets in Dist. 7. To exceed $25,000. Nixon & Reynolds, 305 Grain Exch. Bldg., Omaha, engrs. Noted Apr. 26.

Wyoming—May 10, by State Hy. Comn., Cheyenne, **(S.P. means State Project and F.A.P. Federal Aid Project)**, grading, paving, etc. 1.14 mi. F.A.P. 193-A, Lincoln Co., and 7.08 mi. F.A.P. 188-B, Sweetwater Co.; one course graveling, etc. 22.3 mi. F.A.P. 180-A, Sweetwater Co.; one course rock surfacing, etc. 12.6 mi. F.A.P. 170-A, Miobrabra Co., and 10.6 mi. F.A.P. 191-A, Sweetwater Co.; grading and bridging, etc. 9.7 mi. F.A.P. 180-C, Uinta Co., 11.4 mi. F.A.P. 168-B, Natrona Co., 5.2 mi. F.A.P. 120-A, Crook Co., 7.7 mi. F.A.P. 192-A, Albany Co., 4.1 mi. F.A.P. 103-C, Park Co., 8.5 mi. F.A.P. 176-B, Big Horn Co., 5.87 mi. F.A.P. 186-A, Park Co., 10.6 mi. F.A.P. 191-A, Sweetwater Co., 0.9 mi. S.A.P. 666, Natrona Co.; also constructing bridges on F.A.P. 103-B, and F.A.P. 63, Park Co. Z. E. Sevison, ch. engr.

Mo., Kansas City — See "Contracts Awarded."

Mo., Plattsburg—May 10, by City, c/o T. F. Downey, clk., grading and 7 in. concrete paving, etc. 8,298 sq.yd. Clay Ave. To exceed $25,000. J. W. Shikles & Co., 708 New York Lift Bldg., Kansas City, consult. engrs. Noted Mar. 10.

Tex., Groesbeck — May 13, by Comrs. Limestone Co., c/o J. B. Watson, aud., improving Consolidated Rd. Dist. 4, Mexia Precint, 26,864 yd. crushed stone and 5,389 tons cold rolled Uvalde limestone rock and asphalt surfacing or 5,489 tons Amiesite surfacing. $100,000. Nagle, Witt, Rollins & Gilchrist, Mexia, engr.

Tex., Raymondville—Willacy Co., c/o A. B. Crane, judge, taking bids grading, bridging 18.2 mi. Highway 95. $35,000. J. Johnson, Raymondville, engr.

Okla., Okmulgee—May 9, by A. S. Baker, city secy., concrete paving 10,220 sq.yd. Dist. 37. $32,440. W. C. Hallock, Okmulgee engr.

N. M., Clovis—May 15, by R. V. Miller, city clk., grading and vertical fibre brick, bitulithic or concrete paving, etc., Grand Ave., Hinkle and Connnelly Sts., etc. $100,000. Delvin Eng. Co., Central Bldg., Amarillo, Tex., engrs. Noted Jan. 20.

Nevada — May 11, by State Hy. Comn., Carson City, grading and gravel surfacing, etc. 15,690 cu.yd. road between Carson City and Cradlebaughs, etc., Ormsby and Douglas Counties. G. W. Borden, Carson City, highway engr.

Washington — May 10, by State Hy. Comn., Olympia, grading, etc., 0.5 mi. State Rd. 5, Pierce Co., and 1.9 mi. State Rd. 12, Cowlitz Co.; crushed rock surfacing, etc., 28.8 mi. State Rd. 3, Whitman Co.; crushed graveling, etc., 9.6 mi. State Rd. 3, Stevens Co.; also concrete paving, etc., 1.4 mi. State Rd. 12, Pacific Co. J. W. Hoover, highway engr.

Wash., Olympia — May 16, by Comrs. Thurston Co., grading, graveling, etc. 8,329 cu.yd. Permanent Highway 2-A. N. R. McKay, Olympia, engr.

Wash., Yakima — May 16, by Comrs. Yakima Co., grading and graveling 7.8 mi. Permanent Highways 1, 2 and 3. O. E. Brashears, Yakima, engr.

California—May 16, by State Hy. Comn., Sacramento, concrete paving 1.5 mi. road between Naples and Anaheim Bay Bridge, Los Angeles and Orange Counties. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Martinez—May 16, by Supervs. Contra Costa Co., rock surfacing 3 mi. road in vicinity Knightsen, Div. 45. R. R. Arnold, Martinez, co. surv.

Calif., Oakland—May 16, by G. Gross, clk. Alameda Co., grading, repairing bridge, and asphaltic concrete or concrete paving 591,000 sq.ft. Decoto and Irvington-Mission San Jose Rds.; also repairing concrete pavement 174,000 sq.ft. Telegraph Rd. from San Lorenzo Creek to Alvarado. G. A. Posey, Oakland, co. surv.

Calif., San Jose—May 16, by H. Pfister, clk Santa Clara Co., grading, etc., 129,250 cu.yd. Bodfish Mill Rd. R. Chandler, San Jose, co. surv.

Calif., Santa Cruz—S. Evans, city clk., taking bids grading and 5 in. concrete paving, etc. Cliff Ave., Bay and State Sts. J. K. James, city engr.

Ontario—May 13, by R. M. Smith, ch. engr. and acting deputy minister of highways, Parliament Bldgs., Toronto, concrete paving 6 mi. provincial highway from London to Sarnia, Contr. 27-39, 4.2 mi. Shelbourne to Primrose Corners, Contr. 27-40, 0.6 mi. Queenston, Contr. 27-41, and 2 mi. Thornhill Westerly, Contr. 27-42; black base paving 4.5 mi. Landsdown, Contr. 27-43, 7.84 mi. Cardinal to Landsdowne, Contr. 27-44, 2 mi. Thornhill Westerly, Contr. 27-45, and 2.5 mi. Aurora to Newmarket, Contr. 27-46; bituminous macadam paving 6.13 mi. Norval to Center Rd., Contr. 27-47, 1 mi. Caledonia Bridge approaches, Contr. 27-48, and 1 mi. Lancaster Westerly, Contr. 27-49; traffic bound macadam paving 5 mi. at Dundalk, Contr. 27-50, and 5 mi. Kincardine Easterly, Contr. 27-51; grading, etc., on 5 mi. Cobden Southerly, Contr. 27-52, Chatsworth South, Contr. 27-53, and 5 mi. Galt Rd. towards Clappissons Corners, Contr. 27-54; Caledonia Bridge, concrete or steel, Contr. 27-55; extending culverts at Binkleys Hollow and Dendas, Contr. 27-56; surface treating 13 mi. Caledonia to Jarvis, Contr. 27-57, 8.5 mi. Blacks Corners to Puslinch Line, Contr. 27-58, 26 mi. Foxboro to Picton, Contr. 27-59, 5.25 mi. Bahieboro to Fraserville, Contr. 27-60, 6 mi. Melancthon Northerly, Contr. 27-61, 12.62 mi. Princeton to Woodstock, Contr. 27-62, 2.5 mi. Kincardine Easterly, Contr. 27-63, 20.2 mi. Deseronto to Belleville, Contr. 27-64, and 44.5 mi. Niagara to Jarvis, Contr. 27-65; also steel superstructure La-Fontaine Bridge, Contr. 27-62. $1,500,000.

Ont., Brampton — May 9, by Peel Co. Council, concrete, asphaltic macadam, and asphaltic cold mixed concrete paving 2¼ mi. Dundas and Lake Shore Rds. $75,000. N. L. Powell, County Bldgs., engr.

Ont., Napanee—May 10, by T. V. Anderson, engr., County Bldgs., 6 in. waterbound macadam paving 2¾ mi. Road 2; amiesite or bituminous penetration paving 1¼ mi. Road 4, and 3 mi. Road 2, all in Richmond Twp.; and 4 mi. Road 8, North Fredericksburgh Twp., for Lennox and Addington Counties. $125,000.

Ont., New Toronto—May 7, by W. H. C. Millard, town clk., concrete curbing, guttering, concrete or sheet asphalt on concrete paving 20,000 sq.yd. Lake Shore Rd. and other streets, $85,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Petersburgh—May 6, by S. R. Armstrong, city clk., asphalt paving 10,900 sq.yd. George, Alymer and Water Sts. $45,000. R. H. Parsons, Municipal Offices, engr.

Ont., Sarnia—May 9, by G. C. Richards, chn. Bd. Wks., City Hall, concrete curbing, guttering and sheet asphalt on concrete paving 20,000 sq.yd. various streets. $90,000. W. B. Beatty, City Hall, engr. Noted Apr. 21.

Quebec—May 11, by J. L. Boulanger, duputy minister Highways, Quebec, graveling, 28,424 ft. National Drummondville Rd., and 27,460 ft. Drunnondville St. Hyacinthe Rd., both 16 ft. $90,000 each. A. Fraser, Quebec, engr.

Que., St. Jacques de Piles—See "Contracts Awarded."

Que., Three Rivers—May 9, by Z. Lambert, engr., Three Rivers, 20,000 sq.yd. concrete sidewalks on various streets, for City. $56,000.

B. C., South Vancouver—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Apr. 27, from Cranford Co., 52 9th St., asphalt resurfacing by heater method Baltic St. $193,721, sheet asphalt paving Ovington Ave. $8,385, Senator St. $9,652, and 9th Ave. $10,198, from Cleveland Trinidad Paving Co., Flushing, Clarkson Ave. $27,587, East 42nd St. $15,989, Foster Ave. $11,677, and Troy Ave. $11,449, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Forbell Ave. $11,-281, Linwood St. $9,096 and Shepherd Ave. $9,393, from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Gravesend Ave. $70,979, and 12th Ave. $16,686, from D. J. McCoy Asphalt Corp., Avenue U and East 57th St., Avenue H $57,525, Avenue J $8,682, 20th Ave. $7,674, and 62nd St. $14,-245, from M. J. O'Hara, Neptune Ave. and 19th St., 11th Ave. $3,798, 24th Ave. $13,-997, and 86th Ave. $36,689. Noted Apr. 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 28, grading 71st St. and Tieman Ave., etc., from Welsh Bros. Contg. Co., 32 Queens St., Astoria $2,713 and $21,337 respectively, 223rd St., from Peace Bros. Inc., 57 North Lawrence St., Flushing $559, Liberty St., from Gifford Constr. Co., Fulton St., Jamaica $25,015, Lafayette St., from J. J. O'Brien, Jr., William St., Jamaica $6,281, and 34th Ave., from W. J. Fitzgerald, 547 West 45th St., New York City $28,869; sheet asphalt paving Hammels Blvd., from Sprague Constr. Co., Mott Ave., Far Rockaway, $117,823; sheet asphalt on macadam repaving Locust Ave., also Springfield and Merrick Rds., from Highway Impvt. & Repair Co., 50 Church St., New York City, $45,041 and $122,421 respectively; Rocky Hill Rd. and Farmers Ave., from W. P. MacDonald, Lawrence St., Flushing, $45,850 and $101,830 respectively; Jamaica Ave., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn $21,075; sheet asphalt on granite block paving Flushing Rd., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $28,135. Noted Apr. 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block paving Seaman Ave., etc. from J. Meehan & Son, Inc., 90 West St., $33,155.

N. Y., Richmond Hill (Ind. br. Jamaica)—Park Bd., F. D. Gallatin, pres. Dept. Parks, Arsenal Bldg., Central Park, New York City, Apr. 26, asphalt paving on existing dirt road from golf house to Myrtle

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Streets and Roads (Continued)

Ave. and Hanson Pl., and improving Myrtle Ave. and 109th St. entrance, both Forest Park, here, from Valatia Constr. Co., 15 East 40th St., New York City, $54,120 and $42,248 respectively. Noted Apr. 21.

N. Y., Rockaway Park (mail Arverne)—Park Bd., F. D. Gallatin, pres. Dept. Parks, Arsenal Bldg., Central Park, New York City, Apr. 26, constructing timber bulkhead and jetties, placing sand fill, etc. along beach front from Beach 109th to Beach 126th Sts., here, from Muccinni & Decker, Inc., 6102 18th Ave., Brooklyn, $176,600. Noted Apr. 21.

New Jersey—State Hy. Comn., Trenton, May 2, grading and 8 in. double line rein.-con. paving 89,037 sq.yd. Route 8, Sect. 10, Verona-Passaic River Bridge Rd., near Singac, Essex and Passaic Counties, from Union Building & Constr. Co., 342 Bloomfield Ave., Passaic, $394,159. Noted Apr. 14.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 21,916 ft. highway in Haverhill and North Andover, to J. McCue, Watertown, $123,236. Noted Apr. 14.

Mass., Boston—Park Dept., 33 Beacon St., sheet asphalt paving, etc. Fens Impvt. opposite Art Museum, to Warren Bros. Co., 9 Cambridge St., $51,726. Noted Apr. 7.

R. I., Warwick—Metropolitan Park Com., Providence, 8 in. bituminous macadam paving 1¾ mi. Narragansett Parkway, here, to C. W. Blakesley & Sons, 58 Waverly St., New Haven, Conn., $39,450. Engrs. est. $75,000. Noted Apr. 7.

N. Y., Albany—Bd. Contr. & Supply, repaving North Pearl St. from State St. to Clinton Ave., to H. Dumary, 119 State St., $118,403.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, sidewalks and sheet asphalt paving Northern Blvd., to Cleveland Trinidad Paving Co., Flushing, $165,833; and Maspeth Ave., to W. J. Fitzgerald, 713 Vernon Ave., $75,731. Noted Apr. 7.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., to Carberry Block Corp., 186 Remsen St., Brooklyn, grading 86th Rd. $11,220, and Rockaway Blvd. $21,857, and to C. Kurth, Inc., 37 Brotto Ave., Elmhurst, 95th Ave. $3,368; to Uvalde Asphalt Paving Co., 1 Bway., New York City, paving 86th Rd. $25,295, and 91st St. $17,198; to C. H. Georgia, 15 Ely Ave., 59th Pl. $3,493, and grading Grandview Ave. $1,342, to Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, 43rd Ave. $81,085. Grand total $164,858. Noted Mar. 31.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing and sidewalks on Wilkinson Ave. to Gramaglia Bros. Co., Inc., 2750 Creston Ave. $15,303; Edison Ave., to Burnside Contg. Co., 270 Burnside Ave. $16,961, on Blondell Ave., to C. Turiano Contg. Co., 2911 Coddington Ave. $8,661, and on Powell St., to T. Di Roma, 33 Evelyn Pl. $7,328; bituminous concrete paving East 169th St., to C. D. Beckwith, Seneca Ave. and Edgewater Rd., $36,975. Grand total $85,228. Noted Apr. 14.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block repaving Brook Ave., from 132nd to 137th Sts., to St. George Paving Co., 90 West St., $212,998. Noted Mar. 31.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and granite block paving Cherry St. and 12th Ave., to Regan Towers Co., Inc., 127 West 121st St., $38,800 and $30,284 respectively. Noted Apr. 14.

New Jersey—State Hy. Comn., Trenton, grading, bridging and 8 in. double rein.-con. paving 83,552 sq.yd. Malaga-Downstown Rd., Gloucester Co., to C. H. Earle, Med. and Delaware Aves., Atlantic City, $305,161. Noted Mar. 31.

N. J., Moorestown—Bd. Freeholders Burlington Co., Mt. Holly, paving 3,700 ft. North Church St., here, to W. S. French Co., 226 West Main St., Moorestown, $68,176. Noted Apr. 28.

N. J., New Brunswick — Middlesex Co., paving Rahway Ave. to Union Co. line, to A. Keyes, Woodbridge, $47,934.

N. J., Plainfield—Union Co., paving West 7th St., to J. F. Burke, 309 Park Ave., $193,901. Noted July 22, 1926.

Pa., Washington—Comrs. Washington Co., concrete paving 7,039 ft. Malden-California and Daisytown-Natl. Pike Rds., to Jones Constr. Co., Salem, O. $32,032 8,500 ft. Burgettstown-Cross Creek Rd., to Gamble Constr. Co., Carnegie $50,260, 5,280 ft. McDonald-Venice Rds. to J. Herd, Washington $34,541, and 6,525 ft. Canonsburg-Bishop Rd., to McPherson Bros., Edgeworth $40,135; also rein.-con. paving Commerce and 5 other streets, to H. M. Bates, Steubenville, O. at $3.09 per sq.yd. Noted Apr. 7.

Md., Baltimore—Bd. Awards, sheet asphalt paving 15,000 sq.yd. streets listed Contr. 395, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks $69,824, and 12,000 sq.yd. streets, Contr. 396, to Amer. Paving Co., Montebello Ave. $60,799; concrete paving 21,380 sq.yd. streets Contr. 397, to J. J. Bresnan, Woodland Ave. $48,938, and 15,375 sq.yd. streets. Contr. 398, to D. Marine, 238 Albermarle St. $34,563. Grand total $214,214. Noted Apr. 7.

Md., Towson—Comrs. Baltimore Co., Courthouse, sheet asphalt paving 0.4 mi. Leeds Ave., 13th Dist., ¾ mi. Wise Ave., 15th Dist., 0.6 mi. 5th Ave. and 0.4 mi. Wise Ave., to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., Baltimore, $27,676; also concrete shoulders on 2.15 mi. Leeds, Wise, 5th, and Wise Aves., to A. Mayer, Relay, $12,776. Noted Mar. 31.

W. Va., Buckhannon—Vertical fibre brick paving portions Elizabeth and 4 other streets, to Minns & Dodds, Spencer, $26,000. Noted Mar. 10.

North Carolina—State Hy. Comn., Raleigh, grading and concrete paving 2.42 mi Project 176, Camden Co., to Lawson & Brooke, Norfolk, Va., $55,470; clearing, grubbing and grading, etc., 9.23 mi. Project 285, Wayne Co., to N. L. Teer, Durham, $34,128; grading and concrete paving 1.86 mi. Project 5791, to Coastal Constr. Co., Florence, S. C. $49,485, and 8.58 mi. Project 478, to P. R. Ashley & Co., Laurinburg, $220,981, both Wake Co. Grand total $360,064. Noted Mar. 3.

Alabama—State Hy. Dept., Montgomery **(e.e. means engrs. est.)** to Dunn Constr., Lincoln Life Bldg., Birmingham, 2 in. asphalt on 6 in. concrete paving 4 blocks 33rd Ave. $26,967 e.e. $27,300, 3 blocks 1st St. $16,631 e.e. $17,100, and 3 blocks 12th St. S. $14,873 e.e. $15,250; to H. N. Bowdry, Alabama Power Co. Bldg., Birmingham, 1 block 15th St., Ensley, and Cullman Ave. $6,478 e.e. $7,100, 2 blocks 28th Ave. $10,084 e.e. $10,500, 2 blocks Jefferson Ave. $13,942 e.e. $14,200, and 2 blocks 16th Pl. $12,203 e.e. $12,500; to Southern Roads Co., Pioneer Bldg., Birmingham, 3 blocks Altamont Rd. $8,488 e.e. $9,100, and 4 blocks Georgia Rd. $23,107 e.e. $24,100; to Fromhold Bros., 1775 Jefferson Ave., 2 blocks 10th Alley S. $1,800 e.e. $2,000, 2 blocks Court T, Ensley, $2,410 e.e. $2,500, and 4 blocks 2nd and 4th Alleys $6,906 e.e. $7,100; to Morgan-Hill Paving Co., Woodward Bldg., 1 block 13th St., Ensley, $4,774 e.e. $5,200, and 1 block Huron St. $5,995 e.e. $6,200. Grand total $154,738.

Ala., Gadsden — Sidewalks and paving, etc. 12 blocks around Saquoit Mills, to C. O. Duncan, Gadsden $25,131. Engrs. est. $26,000.

Miss., Columbia — Grading, curbing, sewers and brick on 5 in. concrete paving, etc. 11,625 sq.yd. Main, 2nd and other streets, to Southern Clay Mfg. Co., Volunteer State Life Bldg., Chattanooga, Tenn., approximately $100,000; "White Way" lighting system on 8 blocks streets, to Jones, Johnson Co., McComb, $6,200. Noted Mar. 31.

Miss., Meridian—Meridian Realty Co., grading, curbing, paving and 1 mi. sidewalks, in Northwood Subdivision, to L. W. Hancock, Meridian, approximately $40,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, grading, concrete surfacing, etc. 4.88 mi. Valdean-Red Bank Rd., 18 ft. State Aid Project 353-A, Hamilton Co., to Gamble Constr. Co., Chattanooga, $251,410.

Tenn., Nashville—City will macadamize portions 4 streets, and grade and oil portions 7 streets, by day labor. To exceed $25,000. W. W. Southgate, City Hall, engr.

O., Alliance—Bd. Control, sheet asphalt paving College St. and Overlook Dr., to C. Biery, Alliance, $25,022 and $28,719 respectively. Engrs. est. $25,000 and $28,000 respectively. Noted Jan. 27 and Feb. 17.

O., Cincinnati—Comrs. Hamilton Co. **(e.e. means engrs. est.)**, grading and asphaltic macadam repaving 25,500 sq.yd. Kugler Mill Rd., to J. S. Slone, 2312 Mound Ave., Norwood, $73,038 e.e. $76,200; grading and tarbound macadam repaving 16,700 sq.yd. Anderson Ferry Rd., to F. Franz & Son, North Bend, $47,529 e.e. $50,665, 5,800 sq.yd. Ebenezer Rd., and 7,200 sq.yd. Roebling Rd., to McIntyre & Montague, North Bend, $17,659 and $22,687 respectively e.e. $25,100 and $25,000 respectively. Grand total $160,913. Noted Apr. 21.

O., Cincinnati — Comrs. Hamilton Co., grading and tar bound macadam repaving 9,900 sq.yd. McCullum Rd., to Byrnes & Conway, 212 Hazen Bldg., $29,635, engrs. est. $29,890; also 16,000 sq.yd. Reemlin Rd., to J. A. Nickoson, Sayler Park Station, $53,140 engrs. est. $56,014. Noted Mar. 24.

O., Cleveland—City Comrs., City Hall, grading, curbing and paving with **(a)** brick **(b)** asphalt and **(c)** concrete **(1)** Aetna Rd. **(2)** Brighton Rd. **(3)** Harold Ave. **(4)** Mortimer Ave. **(5)** Kildeer Ave. **(6)** East 24th Pl. **(7)** Chester Ave. **(8)** East Blvd. **(9)** Glendale Ave. **(10)** Lambert Ave. **(11)** Louisiana Ave. **(12)** Melgrave Ave. **(13)** Rondell Ave. **(14)** East 121st St. **(15)** East 128th St. **(16)** West 30th St., to Highway Constr. Co., Guarantee Title Bldg. **(a1)** $23,608; to Roehl Bros., 7002 Dennison Ave. **(a2)** $32,623 **(a3)** $58,311 **(a4)** $25,700; to Gould & Maybach, 16311 Saranec Rd. **(a5)** $36,550; to Bentley Bros., Hanna Bldg. **(b6)** $5,336; to Cleveland Trinidad Paving Co., The Arcade **(b7)** $76,853 **(b8)** $68,680 **(a9)** $56,183 **(b10)** $19,653 **(a11)** $13,846 **(a12)** $35,293 **(a13)** $22,593 **(a14)** $14,801 **(a15)** $6,600 and **(a16)** $5,592. Grand total $502,222. Noted Apr. 7.

O., Columbus—W. H. Duffy, dir. Serv., grading, curbing and asphalt paving, etc. 13,340 sq.yd. Broad St. and 965 sq.yd. Monypeny Ave., to Franklin Asphalt Paving Co., 209 South High St., $60,934 and $4,000 respectively. Noted Mar. 31.

O., Dayton — Montgomery Co., to O. Puterbaugh, c/o Co. Comrs., graveling Midland Ave. $3,674, also vibrolithic concrete paving Brooklyn Ave. $39,996, and Clarkson Ave. $9,494, to P. Nill, 413 South Bway., Nill Ave. $22,493, to Wright Bros., Ludlow Bldg., Collins Ave. $9,054, to Forster Eng. Co., Commercial Bldg., Clarissa Ave. $10,195, graveling Getter Ave. $4,026 and Ontario Ave. $4,308; to Republic Asphalt Paving Co., 832 South Ludlow St., sheet asphalt paving South Auburn Ave. $12,646; to Finke Eng. Co., Realty Bldg., vibrolithic concrete paving Walton Ave. $28,789 and rein.-con. paving Haskins Ave. $11,064, to J. Heier, 415 Hopeland St., Mapleview Ave. $13,116 and Lutz Ave. Grand total $173,129. Noted Apr. 7.

O., Dayton—G. F. Baker, dir. Pub. Serv., vibrolithic concrete paving Overlook Ave. from Huffman to corporation line, to Wright Bros., Ludlow Bldg., $30,552. Noted Apr. 14.

O., Millersburg — Comrs. Holmes Co., grading and slag paving 3.34 mi. Sect "D" Millersburg-Charm Rd., 14 ft. to Griggs-Anderson Constr. Co., Millersburg, $39,785. Noted Apr. 7.

Ind., Bedford—Comrs. Lawrence Co., constructing highway, to W. J. Nees Constr. Co., Frankfort, $112,000.

Ind., Evansville—Comrs. Vanderburgh Co., asphalt on 7 in. concrete paving Water Works Rd., to L. Reichert Constr. Co., 705 Furniture Bldg., $34,843. Noted Mar. 31.

Ind., South Bend—Comrs. St. Joseph Co., constructing highway, to W. J. Nees Constr. Co., Frankfort, $126,000.

Ind., Vincennes—Knox Co., constructing Marion Enochs Rd., to G. Myers, Vincennes, $18,840; H. C. Tade Rd., to J. H. Tuell, Vincennes, $6,711; L. Clauss Rd., to L. Clauss, Vincennes, $6,340; and McAllister Rd., to R. D. Manning, Vincennes, $7,440. Grand total $39,331.

Ind., Washington—Daviess Co., constructing W. Brett Cable Rd., to F. Crosby, Washington, $47,000; Alfred Sims Rd., to Brock & Swinda, Washington, $34,749; Mattingly and Berry Rds., to E. Harding, Washington, $13,610; and Myers Rd., to Ryan & Ryan, Washington, $6,980. Grand total $102,339. Noted Mar. 24.

Mich., Bad Axe—Rd. Comrs. Huron Co., graveling 3.5 mi. Co. A. D. 22, to L. H. Stafford, Cass City, $54,493; concrete paving 1 mi. Co. A. D. 50, to A. J. Remus, Bay City, $41,448. Noted Apr. 7.

Mich., Bloomington — Monroe Co., constructing 5 mi. Claude Kinser Rd., to Faubian Bros., Heltonville, $36,000; and 3 mi. W. B. Chambers Rd., to Bloomington Crushed Stone Co., Bloomington, $27,755.

Mich., Detroit—Grading and 3½ in. sheet asphalt on 8 in. concrete paving Steger Court and 11 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $166,533.

Mich., Grand Rapids—Comrs. Kent Co., graveling 4 mi. Freeport-Elmdale Rd., 16ft. to M. C. Schneider, Lowell, $36,481.

Mich., Jackson—Jackson Co. Road Comn., 114 West Ganson St. constructing 3.5 mi. Tompkins Center Rd., to D. D. Briggs, Dansville, $23,125; grading Blackman, Sandstone Rd., to Bidwell-Needham Constr. Co., Jackson, $7,036; graveling same, also grading and graveling county road in Hanover Village, to A. J. LaPorte, Jackson, $3,304 and $6,494 respectively. Grand total $39,959.

Mich., Marshall—Calhoun Co., graveling 8.299 mi. Marengo-Lee Rd., 9 ft., to L. J. Kiser, Centerville, $43,972. Noted Mar. 31.

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Streets and Roads (Continued)

Mich., Monroe — Monroe Co., concrete paving 3.263 mi. Co. A. D. 41, 20 ft., to Hilding Constr. Co., Grand Rapids, $83,867, and concrete paving 7.782 mi. Albain Rd., Dist. 42, to W. H. Knapp Co., Monroe, $192,185.

Mich., Muskegon—City Clerk, to Globe Constr. Co., 422 Portage St., Kalamazoo, concrete paving, etc. 8,122 sq.yd. Beach St. and Pere Marquette Park Oval 2 $15,048, grading and 6 in. concrete or 2½ in. asphalt on 6 in. macadam paving 7,645 sq.yd. Davis and Southern Sts. $27,224, concrete paving 9,400 sq.yd. Marquette Ave. $32,459, and oil asphalt on stone paving 2,100 ft. Washington Ave., 30 ft. $22,123; to Dobb Transfer Co., Merrill St., concrete paving 3,100 ft. Beach St. and Pere Marquette Park Oval 2, Sect. A $3,218, to L. C. Monroe Co., Nims and Wood Sts., 11,568 sq.yd. Acorn St., $35,731; and to Clark & Frieling, 554 Amity Ave., concrete sidewalks on various streets at $0.14¼ per sq.ft. Noted Mar. 24.

Mich., Pontiac—Oakland Co. Road Comn., to C. R. Bradley, South Lyon, graveling 2.08 mi. Brewer Rd. A. D. 61 $17,680, 2.9 mi. Noble Rd. A. D. 102 $23,487, and 1.48 mi. North Leonard Rd. A. D. 124 $14,004; to Ayers Co., Detroit, 6.59 mi. Groveland Rd. A. D. 96, $89,876; to Murray Hull, Dryden, 8.79 mi. Baldwin Rd. A. D. 97, $123,892; and to C. J. Davis, Pontiac, 2.66 mi. Washington-Irish Hills Rd. A. D. 73, $23,439. Grand total $292,378.

Wis., Fond du Lac—G. Treleven, comr. Fond du Lac Co., Court House, grading, bridging, etc. Campbellsport-Southwest Rd., Job 2714, to Burch Constr. Co., 105 Monona Ave., Madison, $10,354; grading, curbing and concrete paving Brandon-Northerly Rd. Job 2717, and West Rosendale-Rosendale Center Rd., Sect. A, to Finley Bros., Janesville, $27,616 and $11,671 respectively, Ripon-Berlin Rd., and Green Lake Co. Rd., Job 2725, to W. Lathers, 421 Harding St., Janesville, $17,978; Raymond Bridge, to Moore & Moore, Marinette $9,042, and Uelman Bridge, to J. Johnson, Whitewater $9,780. Grand total $86,441. Noted Mar. 31.

Wis., Madison—Dane Co. Hy. Comn., to A. W. Gallagher, Madison, graveling, etc., 4,800 cu.yd. S.T.H. 41, $9,792; to P. Berg, Cambridge, 5,000 cu.yd. S.T.H. 31 $5,250, 5,303 cu.yd. Job 104-04, town of Blooming Grove $11,479, and 14,140 cu.yd. town of Bristol, Job 148.06 $12,660; to O. J. Hanna, Mt. Horeb, crushed stone surfacing 2,500 cu.yd. County Trunk O, Job 245-24 $6,750, and to Barrett Co., 208 South La Salle St., Chicago, Ill., 300,000 gal. road tar applied at $12.64 per gal., also 20,000 gal. asphalt G. Noted Mar. 17.

Wis., Milwaukee—To J. Bluhm & Son, 1298 Achilles Pl., vibrolithic concrete paving, etc. 9,356 sq.yd. Auer Ave. $27,599, 7,224 sq.yd. 40th St. $28,864, 8,245 sq.yd. 44th St. $24,281 and 16,076 sq.yd. sidewalks on 27th St. $3,226; to W. I. Hunt, Milwaukee, vibrolithic concrete paving 5,145 sq.yd. Friebrantz St. $18,573, 2,916 sq.yd. 9th St. $12,665, and 4,038 sq.yd. 39th St. $12,223, to J. P. Mahlberg, 818 Lake St., 5,549 sq.yd. 15th Ave. $20,888, 5,757 sq.yd. 14th Ave. $23,710, 3,715 sq.yd. Ohio Ave. $16,104, 5,444 sq.yd. 2nd Ave. $21,216, 7,885 sq.yd. 13th Ave. $33,602, and 7,877 sq.yd. 12th Ave. $32,069, to A. R. Link, 10,082 sq.yd. 1st Ave. at $0.19 per sq.yd., and to Czerwinski Constr. Co., Milwaukee, 1,428 sq.yd. Townsend St. $5,074.

Wis., Milwaukee—Bd. Pub. Wks., R. E. Stoelting, comr., grading and paving 10 alleys, to J. Schramkowski, Milwaukee, $26,598; 2 alleys, to W. Blech, Milwaukee, $3,157; 6 alleys, to Bodeman Constr. Co., $14,534; and 5 alleys, to Wisconsin Asphalt Paving Co., Milwaukee, $9,907. Grand total $54,196.

Ia., Adel—Dallas Co., grading, etc. 169,615 cu.yd. Primary Road 16, Primary Road Project 251, to W. H. Duffey, Lehigh, $50,641.

Ia., Dakota City — Humboldt Co., to Sampson Bros. Constr. Co., Algona improving roads, 21,800 cu.yd. gravel 1 mi. haul at $0.25 per cu.yd., 197,800 units ½ mi. haul $0.064 and $0.065, and 6,100 cu.yd. stripping $0.14; to W. W. Condor, Pocahontas, 28,900 ft. 6 in. tile drain at $0.099, and 25 intakes at $10 each; to C. F. Betz, Sioux City 31,979 cu.yd. earth excav. $0.295, 300 cu.yd. loose rock $1.25, 275 ft. 12 in. concrete pipe labor $0.75, 9,796 sta.yd. overhaul $0.02, and clearing right-of-way $1,368. Noted Mar. 31.

Ia., Emmetsburg—Palo Alto Co., improving secondary Dists. 49 and 53, to Wilder & Wilder, Iowa Falls, 21,750 cu.yd. gravel 1 mi. haul at $0.40 per cu.yd. 105,000 units ½ mi. haul $0.075, and 8,500 cu.yd. stripping $0.20.

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Ia., Keokuk — Bitulithic paving 15,500 sq.yd. Fulton St., to Cameron-Joyce, Smith, Elder Co., Keokuk, at $1.61 per sq.yd.

Ia., Ottumwa—Grading, concrete paving, etc. 10,000 sq.yd. 4th, Locust, Walnut, Maple and Jefferson Sts., to R. C. Nelson Co., 1133 Military Ave., Council Bluffs, at $2.16 per sq.yd.

Ia., Vinton—Benton Co., to E. V. Martin, Ames, improving roads, 57,381 cu.yd. excav. at $0.295 per cu.yd. 200 cu.yd. loose rock $1.25, 200 cu.yd. solid rock $2.25, 640 ft. culvert labor $0.35, and clearing right-of-way $543; to W. A. Moore, Hector, Minn., 56,593 cu.yd. earth excav. $0.285, 200 cu.yd. loose rock $1, 200 cu.yd. solid rock $2.50, 8,500 sta.yd. overhaul $0.02, 1,125 ft. culvert labor $0.20 to $0.30, etc.; to G. H. Lowe, Slayton, Minn., 171,824 cu.yd. earth excav. $0.26, 200 cu.yd. loose rock $1, 200 cu.yd. solid rock $2, 161,000 sta.yd. overhaul $0.02, 2,740 ft. culvert labor $0.20 to $0.30, and clearing right-of-way $557; to Shirley-Caldwell Co., Omaha, Neb., 216,792 cu.yd. excav. $0.249, 300 cu.yd. loose rock $0.50, 300 cu.yd. solid rock $1, 125,765 sta.yd. overhaul $0.02, 1,628 ft. culvert labor $0.20 and $0.30, and clearing right-of-way $4,099. Noted Mar. 24.

Ia., Waterloo—Auditor Black Hawk Co., to A. J. Fleckenstein, Cedar Rapids, improving secondary roads, 8,700 cu.yd. gravel 1 mi. haul at $0.29 per cu.yd. 49,350 units overhaul $0.075, and 3,800 cu.yd. stripping $0.20; to Probin & Kern, New Hartford, 3,010 cu.yd. gravel 1 mi. haul $0.30, 3,150 units overhaul $0.075; to G. E. Sargent, Hampton 9,100 cu.yd. gravel 1 mi. haul $0.38, 35,700 units overhaul $0.07 and 115,00 cu.yd. stripping $0.18; to P. Berg, Reinbeck, 23,941 ft. 6 in. tile $0.105, 1,600 ft. 8 in. tile $0.155, and 2 intakes $10 each; W. Dutton, Boone 81,194 cu.yd. excav. $0.23, $0.30 and $0.34, 550 ft. solid rock excav. $3, 450 cu.yd. loose rock $1.50, and $45,200 sq.yd. overhaul $0.02. Noted Apr. 7.

Minn., Blue Earth—Grading, curbing and paving 13,800 sq.yd. 7th St., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, $31,697. Noted Mar. 31.

Minn., Caledonia — Improving 8.1 mi. State Aid Rd. 2, Houston Co., 86,000 cu.yd. earth, 21,000 cu.yd. loose and solid rock excav., etc., to Barnard & Son, 506 Globe Bldg., Minneapolis, $36,468.

Minn., Hastings—One course concrete paving, etc. 38,000 sq.yd. various streets, to C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul, $89,936. Noted Mar. 24.

Kan., Kansasa City—Wyandotte Co., 2½ in. on 8 in. bituminous macadam surfacing 3.23 mi. Olson Rd., 18 ft., to Robert Bros., 6th and Walker Sts., Kansas City, Mo., $82,862. Engrs. est. $146,147. Noted Apr. 7.

Kan., Larned—Pawnee Co., sand clay surfacing, etc. 11.466 mi. Federal Aid Project 281-A, 28 ft., to J. W. Gason, Larned, $55,393.

Kan., Lyndon—Osage Co., grading, concrete paving, etc. 63,387 sq.yd. Federal Aid Project 264-C, to Luttjohann Bros., 2053 Kansas Ave., Topeka, $137,111. Noted Mar. 24.

Kan., Mound City—Brick paving 1 mi. U. S. Road 73 E, Federal Aid Project 109, to Cook & Stucker, Ottawa, $89,703; and 6 in. concrete paving 21 mi. primary roads, to Atkinson Paving Co., Watertown, S. D., $486,293.

Neb., Falls City—M. Naylor, city clk., grading, curbing and rein.-con. paving, etc. various streets in Dists. 41 and 42, to Monarch Eng. Co., Falls City, approximately $31,750. Noted Mar. 31.

N. D., Minot—G. A. Reishus, city aud., paving 63,235 sq.yd. various streets, to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., St. Paul, Minn., $174,596. Noted Mar. 10.

Mo., Albany—City Clerk, 6 in. concrete paving, etc. 15,440 sq.yd. Smith and College Aves., 7th and Daniel Sts., to M. W. Watson, Mulvane Bldg., Topeka, Kan.

Mo., Kansas City—Pub. Serv. Co. will pave and double track Grand Ave. from 22nd to 28th Sts., Troots Ave. from 15th to 31st Sts., 8th St. from McGee to Woodland Sts., Main St. from 3rd to 9th Sts., 12th St. from Euclid Ave. to Jackson St., and 15th St. from Troots Ave. to Prospect St., by day labor. A. E. Harvey, 1501 Grand Ave., engr.

Ark., Searcy—Grading, curbing, guttering and 6 in. concrete paving 11,500 sq.yd. Paving Dist. 9, to Turk Constr. Co., Little Rock, $29,542.

Ark., Fordyce—Grading, curbing, guttering and 6 in. concrete paving 10,020 sq.yd. Paving Dist. 3, to Turk Constr. Co., Little Rock.

Tex., Amarillo—To Willmering & Muller, 96 Polk St., permanent paving approximately 11,000 yd. West 3rd St., $38,867, 7,700 yd. Polk St. $25,000, 17,500 yd. West 9th St. $72,282, also asphalt and brick paving 27,000 yd. West 3rd St. $104,461. Grand total $240,708. Noted Mar. 31.

Tex., Graham—Young Co., grading and bridging 12.612 mi. Graham-Stephenville Rd., Highway 67, 26 ft., to Wommack Constr. Co., Sherman, $76,185. Engrs. est. $80,000. Noted Mar. 10.

Okla., Drumright—Grading, curbing and 6 in. concrete paving 6,400 sq.yd. Paving Dist. 4, to Luke Constr. Co., Sapulpa, approximately $20,000. Noted Apr. 14.

Okla., Ponca City—Brick paving portions Pine and Grand Sts., Dist. 69, also portion 1st St., Dist. 70, to Rightmire & Baldwin, Ponca City, $46,492 and $45,559 respectively.

Okla., Tulsa — R. J. Moore, city and, grading and sheet asphalt paving 16,297 sq.yd. Dist. 780, to H. L. Cannady, 116 South Lewis St., $41,049, engrs. est. $42,000, and asphaltic concrete paving, etc. 9,150 sq.yd. Dist. 777, to Standard Paving Co., 1742 East 6th St., $35,265, engrs. est. $38,200. Noted Mar. 17.

Nevada—State Hy. Dept., Carson City, constructing Federal Aid Project 79-F, Churchill and Pershing 1-B2 & A, Contr. 159, Churchill and Pershing Counties, to F. Coolidge, Reno, $101,645. Noted Apr. 7.

Wash., Olympia—City Comrs., sheet asphalt paving North Washington St., to Forbes & Wilder, Olympia, $39,913. Noted Apr. 7.

Calif., Azusa—Curbing, walks and ¾ in. oil macadam paving 960,000 sq.ft. various streets in Fairmount Heights Tract, to W. F. Peck, 1120 Las Palmas St., Los Angeles, $85,630. Noted Dec. 2.

Calif., Burbank—Grading 2 in. warrenite on 4 in. asphaltic concrete paving, etc. Magnolia Ave. between Union St. and Pacific Electric Ry. tracks, to Gibbons & Reed, 221 East San Fernando Blvd., approximately $346,497. Noted Mar. 24.

Calif., Culver City—Warrenite bitulithic paving, etc. Albright Dist., to Warren Constr. Co., Citizens Natl. Bank Bldg., Los Angeles, approximately $223,610. Noted Apr. 7.

Calif., Hawthorne—Curbing, walks and 6 in. concrete paving, etc. Maine Ave., to G. H. Oswald, 366 58th St., Los Angeles, $28,656.

Calif., Huntington Park—To Los Angeles Paving Co., 3200 East Vernon Ave., Los Angeles, improving Slauson Ave., 8 in. concrete paving 405,331 sq.ft., etc. at $0.23 per sq.ft.

Calif., Long Beach—To Sully-Miller Co., 1500 West 7th St., improving State St., 92,680 sq.ft. 2 in. asphaltic concrete on 6 in. concrete paving, etc. at $0.28 per sq.ft.

Calif., Los Angeles—Concrete paving, etc. 215,120 sq.ft. Gramercy Pl., to W. Liddington, 420 East 60th St., $48,415. Noted Apr. 14.

Calif., Los Angeles—Grading and 6 in. concrete paving 318,298 sq.ft. 76th St., to G. H. Oswald, 366 East 58th St. at $0.18 per sq.ft., total approximately $63,745.

Calif., Los Angeles—Grading and concrete paving 219,134 sq.ft. Oakshire Dr., to Underground Constr. Co., 2210 Hyperion St., $123,505; also 58,651 sq.ft. Emerald St., to C. R. Snow, 880 West Knoll Dr., Sherman, $44,226.

Calif., Oakland—To Warren Constr. Co., 28th and Poplar Sts., improving Birch St., 92,182 sq.ft. grading at $0.035 per sq.ft., 46,483 sq.ft. 2½ in. asphalt on 4 in. macadam and 2½ in. asphaltic concrete paving $0.205, etc. Noted Mar. 24.

Calif., Richmond—A. C. Faris, city clk., 2 in. warrenite surfacing, etc., approximately 320,000 sq.ft. San Pablo Ave., to California Constr. Co., 58 2nd St., San Francisco, $171,967. Noted Apr. 7.

Calif., San Carlos—Grading, 3 in. asphaltic concrete on 6 in. waterbound macadam paving 180,000 sq.ft. Cypress Ave., etc., to Peninsula Paving Co., 58 2nd St., San Francisco, approximately $50,165. Noted Apr. 14.

Calif., San Luis Obispo—J. G. Driscoll, clk. San Luis Obispo Co., grading, warrenite bitulithic on 2½ in. asphalt paving 815,000 sq.ft., etc., various streets in Morro Beach, to Warren Constr. Co., 28th and Poplar Sts., Oakland, $488,364. Noted Apr. 21.

Calif., San Luis Obispo—C. M. John, city clk., curbing, walks and 6 in. concrete paving 349,658 sq.ft. Palm and Chorro Sts., etc., to M. J. Bevanda, 404-23rd St., Richmond, $87,775. Noted Apr. 21.

Streets and Roads (Continued)

Calif., Santa Cruz—S. A. Evans, city clk., 5 in. concrete paving, etc. Ocean St., etc., to W. E. Miller, $29,930. Noted Apr. 14.

Calif., Santa Paula—Curbing, guttering, walks and asphaltic concrete paving, etc. South Olive St., etc., to Southwest Paving Co., Washington Bldg., Los Angeles, approximately $42,055.

Calif., South Pasadena (Ind. br. Pasadena)—N. A. Hewitt, city clk., 5 in. concrete paving, etc. 150,000 sq.ft. Oak St., etc., to Hall-Johnson Co., 965 Westminister St., Alhambra, $36,195. Noted Apr. 7.

Ontario—Dept. Pub. Highways, Ottawa, asphaltic macadam paving 4.83 mi. highway from Barrie to Stroud, 20 ft., to Godson Contg. Co., 203 Richmond St. W., Toronto. Engrs. est. $70,000.

Que., St. Jacques de Piles—Will gravel 12 mi. National Rd., 40 ft., by day labor. $40,000. A. Fraser, Quebec, engr.

B. C., South Vancouver—Will lay 18 mi. 4 ft. concrete sidewalks on various streets, by day labor under supervision E. D. Todd, engr., Municipal Hall $100,000.

Buildings—Commercial

Proposed Work

Me., Bangor—HOSPITAL—State Hospital for Insane having plans prepared by C. P. Crowell & W. S. Lancaster, Exch. Bldg., 4 story and basement, 35 x 115 ft., and 35 x 130 ft. addition, State St. To exceed $150,000.

Mass., Attleboro — THEATRE — Union Theatre, Inc., c/o R. M. Stowell, archt., 184 Boylston St., Boston, having plans prepared 1 story and basement, 90 x 115 ft., brick and steel, plain foundation, Union St., here. $150,000 or more.

Mass., Boston — APARTMENT — J. Arnello, 96 Porter St., East Boston, having preliminary sketches made by B. C. Gallo, 42 Maverick Sq., East Boston, 4 story and basement, brick and stone, plain foundation, 344-346 Chelsea St., here. $160,000.

Mass., Boston — APARTMENT — One Hundred and Seventy-Two Beacon St., Inc., c/o R. A. Nordbloom & Co., 79 Milk St., soon takes bids 10 story and basement, 50 x 150 ft., brick, steel and limestone, plain foundation, 172-174 Beacon St. $750,000. C. R. Greco, 11 Beacon St., archt. Noted Mar. 10.

Mass., Boston—STORE—Chandler & Co., 150 Tremont St., having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 10 story and basement, brick and stone, West and Tremont Sts. $250,000.

Mass., Cambridge (br. Boston)—WARD—Cambridge Hospital. 30 Brattle St., having preliminary sketches made by Kendall, Taylor & Co., 142 Berkley St., Boston, brick and steel, Mt. Auburn St. $300,000.

Mass., Dorchester (sta. Boston)—FIRE STATION—City Fire Dept., Boston, soon lets contract, 2 story, brick and stone, plain foundation, Parish St., Meetinghouse Hill, here. $150,000. Private plans.

Mass., Lexington—STORE and OFFICE—H. M. Aldrich, 60 State St., Boston, having plans prepared by Mowll & Rand, 21 School St., Boston, 2 story and basement, 60 x 120 ft., brick and stone, plain foundation, Massachusetts Ave. and Waltham St., here. $150,000.

Mass., Lynn — STORE and APARTMENT—D. Gulazian, 294 Washington St., soon takes new bids 3 story and basement, brick and stone, plain foundation, Union St. $150,000. B. E. Porter, 73 Tremont St., Boston, archt. Former contract rescinded. Noted Mar. 24.

R. I., Newport—BANK and OFFICE—Aquidneck Natl. Bank & Savings Co., Thames and Green Sts., having preliminary sketches made by T. M. James Co., 3 Park St., Boston, Mass., 2 or 3 story and basement bank and office building, Colonial and Washington Sts. To exceed $150,000. Noted Feb. 3.

R. I., Providence—AUTO SALES and SERVICE—White Motor Co., H. R. Hadlow, engr., 842 East 79th St., Cleveland, O., having plans prepared 2 story and basement, 25,000 sq.ft. floor space, brick and rein.-con. here. $150,000. Private plans.

Conn., Bridgeport — GARAGE — E. A. Lambert, c/o Fletcher-Thompson, Inc., archts., 542 Fairfield Ave., having plans prepared 1 and 2 story, 100 x 250 ft., rein.-con., brick and steel, Fairfield Ave. $150,000. Cadillac Co., 532 Fairfield Ave., lessee.

Conn., Hartford — APARTMENT and STORE—Owner, c/o Berenson & Moses, archts., 30 Allyn St., having plans prepared 4 story, brick, stone and steel, Laurel-Farmington Ave. $200,000.

Conn., Hartford—TEMPLE and AUDITORIUM—Labor Temple Assn., Inc., C. A. Hellyar, chn., 386 Barbour St., having plans prepared by F. C. Walz, 407 Trumbull St., 3 story, 44 x 100 ft., and 1 story, 62 x 85 ft., brick and steel, Park St. $150,000. Noted Apr. 7.

Conn., New Haven—LODGE—New Haven Elks, S. E. Hoyt, chn. building com., 195 Church St., plans 6 story, brick and steel, Crown St. $150,000 or more. Engineer and architect not selected.

N. Y., Albany — HOSPITAL — St. Peters Hospital having tentative plans prepared by Gander, Gander & Gander, 17 Steuben St., hospital, New Scotland Ave. $2,000,000.

N. Y., Brooklyn — HOSPITAL — Slocum Building Corp., c/o A. Goldman, 906 St. Johns Pl., having preliminary plans prepared by M. Courland, 366 5th Ave., New York City, 4 story, rein.-con., brick and stone, plain foundation, Brooklyn and Lefferts Aves. To exceed $150,000.

N. Y., Buffalo—THEATRE—Owner, c/o J. A. Brown, archt., 916 Filmore Ave., having plans prepared 3 story theatre. $400,000.

N. Y., Flushing—APARTMENT—W. I. Hohauser, Inc., archts. and engrs., 1400 Bway., New York City, take bids about May 1, 6 story and basement, 103 x 140 ft. rein.-con., brick and steel, plain foundation, Bway. and 161st St., here, for newly formed corporation. $400,000.

N. Y., Jamaica — THEATRE — Allied Owners Corp., 331 Madison Ave., New York City, having preliminary plans prepared by C. W. and G. L. Rapp, 231 West 43rd St., New York City, rein.-con., brick, steel and stone, plain foundation, Jamaica Ave. and Merrick Rd. To exceed $150,000.

N. Y., New York—LOFT and OFFICE—Costanza Realty Corp., c/o De Pace & Juster, archts., 6 East 46th St., New York City, having preliminary plans prepared 14 story, brick, steel, stone and rein.-con., plain foundation, 151 West 41st St. $300,000.

N. Y., New York—OFFICE—New York Central R.R. Co., 466 Lexington Ave., F. B. Freeman, ch. engr., having plans prepared by Warren & Wetmore, 10 East 47th St., island ticket offices, on waiting room floor in Grand Central Terminal. $150,000.

N. Y., New York—THEATRE, OFFICE and STORE — F. F. Proctor, New York Theatres, Inc., 1564 Bway., having preliminary plans prepared by T. W. Lamb, 654 8th Ave., altering rein.-con., brick and steel, 964 3rd Ave., and 146 West 58th St. $250,000.

N. J., Glassboro—THEATRE—W. H. Lee, archt., Schaff Bldg., Phila., Pa., soon lets contract 2 story and basement, 115 x 275 ft., brick and steel, plain foundation, here, for Penn Jersey Amusement Co., c/o architect.

N. J., Jersey City—BANK—C. H. Ziegler, archt., 75 Montgomery St., takes bids about May 5, 1 story, 35 x 100 ft., brick and steel, plain foundation, Jackson Ave., for Union Trust & Hudson County Natl. Bank, 75 Montgomery St. $150,000. Noted Apr. 14.

N. J., Jersey City — HOSPITAL — St. Francis Hospital, East Hamilton Pl., had sketches made by C. H. Ziegler, 75 Montgomery St., 5 story, 40 x 150 ft., brick and steel addition, plain foundation, 9th and Erie Sts. $150,000.

N. J., Newark—AMUSEMENT CENTER—Arena & Amusement Co., Inc., 671 Broad St., having revised plans prepared by N. Harris, 20 Branford Pl., 4 story, 169 x 250 ft., brick and steel, concrete pile foundation, Broad and Lafayette Sts. $3,000,000.

N. J., Newark—APARTMENT—J. Niemseck, c/o Nadel & Fort, archts., 32 Hill St., will not construct 4 story, brick, plain foundation, Osborne Terrace. $150,000. Project abandoned. Noted Apr. 21.

N. J., Ridgewood—HOSPITAL—Bergen Co. Hospital, Paramus Rd., having plans prepared by C. V. Bogert, 167 Main St., Hackensack, 3 story, brick and steel, plain foundation, Bergen Pines. $150,000.

N. J., Ridgewood — MUNICIPAL and POLICE STATION—Bd. Village Comrs., 25 Hudson St., rejected bids Mar. 22, 3 story, 60 x 100 ft., rein.-con., brick and steel, plain foundation, here. $150,000. Noted Mar. 31.

N. J., Somerville — CLUB HOUSE — B.P.O.E., West End Ave., having sketches made by Chiras Campbell, 267 5th Ave., New York City, 3 story, brick and steel, plain foundation. $150,000.

Pa., Phila.—HOTEL—Bellvue Stratford, Broad and Walnut Sts., having plans prepared by Thomas, Martin & Kirkpatrick, 220 South 16th St., Phila., remodeling hotel. $1,000,000.

Pa., Stroudsburg — HOTEL — Skytop Lodges, c/o Rossiter & Muller, and Mortimer Foster, archts., 15 West 38th St., New York City, having plans prepared rein.-con., brick and steel, plain foundation, near here. $800,000.

O., Cleveland—WAREHOUSE—International Harvester Co., W. H. Gale, secy., 606 South Michigan Ave., Chicago, Ill., plans brick and rein.-con., East 55th St. and Julia Ave. Private plans. $300,000.

Ind., Corydon—COURT HOUSE—Comrs. Harrison Co., G. T. Weis, aud., having plans prepared by Flower & Karges, Evansville, steel and stone court house. $150,000.

Ill., Chicago—APARTMENT HOTEL—Messers Roesca, c/o Hall, Lawrence, Rippel & Rateliffe, archts., 123 West Madison St., had preliminary plans prepared 6 and 13 story, 50 x 130 ft., rein.-con., brick and terra cotta, 838 Madison Ave.

Ill., Chicago—CLUB and OFFICE—La Salle Club, 30 North La Salle St., having plans prepared by Vitzthum & Burne, 307 North Michigan Ave., 30 story and 2 subbasements, 80½ x 150 ft., Wells St. and Wacker Dr. $3,000,000.

Ill., Harvey—HOTEL—P. J. Telling having plans prepared by Zimmerman, Saxe & Zimmerman, 212 East Superior St., Chicago, 7 story and basement, 75 x 125 ft., rein.-con. and brick, Center Ave. near 153rd St. $300,000.

Ill., Rockford—HOTEL—Hall, Lawrence, Rippel & Rateliffe archts., 123 West Madison St., soon lets contract 11 story and basement, 156 x 184 x 187 ft., rein.-con., brick and terra cotta, State, 4th and Market Sts., for Syndicate, c/o architects. $2,000,000. Noted Jan. 27.

Wis., Sheboygan — CLUB — Natl. Home Corp. Assn, c/o E. A. Juul, archt., Security Natl. Bldg., having plans prepared 2 story, 90 x 145 ft., rein.-con., brick and steel, plain foundation, 8th St. $150,000.

Kan., Kansas City — TERMINAL — Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., soon lets contract general improvements and enlargements to terminal, here. $2,000,000.

Minn., Minneapolis — APARTMENT — A. E. Worthingham, 112 South 12th St., plans 4 or 5 story and basement, brick and hollow tile, 17th St. and 2nd Ave. S. $150,000. Engineer and architect not announced.

Mo., Kansas City — HOTEL — C. E. Phillips, Victor Bldg., having preliminary plans prepared 10 story and basement, 25 x 100 ft., rein.-con., and brick, 3724 Bway. To exceed $150,000. Private plans.

Mo., Kansas City—THEATRE—J. Eberson, archt., 200 West 57th St., New York City, takes bids about May 15, rein.-con., brick and steel, Valentine Rd. and Bway., here, for Universal Pictures Corp., 730 5th Ave., New York City. $500,000.

Mo., Springfield—MEDICAL ARTS—Syndicate, c/o F. T. H. Doubler, chn. com., 841 Normal St., plans medical arts building, rein.-con., brick and stone. $250,000.

Mo., St. Louis—APARTMENT—A. H. Winkelmeyer, 2602 South Grand Blvd., having plans prepared by J. L. Bowling, Inc., Arcade Bldg., 7 story and basement, 50 unit apartment, Grand and Sidney Sts. $350,000.

Mo., St. Louis—FURNITURE STORE and WAREHOUSE—Hellrung & Grimm House Furnishing Co., 906 Washington Ave., takes bids about July 20, 6 story and basement, 30 x 155 ft. and 2 story 45 x 155 ft. to addition, rein.-con, brick and steel, 16th and Cass Sts. Wedemeyer & Nelson, Wainwright Bldg., archts.

Mo., St. Louis—HOTEL—Leopold Grossberg Real Estate Co., 705 Olive St., plans rein.-con., terra cotta, brick and steel hotel. $750,000. Engineer and architect not selected.

Mo., St. Louis—OFFICE—Missouri Pacific R.R. Co., Ry. Exch. Bldg., soon lets contract general work 22 story, 40 ft. tower and basement, 100 x 193 ft., rein.-con., brick, steel, stone and granite office and boiler plant, 13th and Pine Sts. Archts. est. total $2,000,000. E. A. Hadley, c/o owner, ch. engr. Mauran, Russell & Crowell, Chemical Bldg., and E. M. Tucker, c/o owner, consult. archts. Noted Apr. 21.

Ark., Texarkana — MEMORIAL — Amer. Legion Post, c/o K. Hoffman, commander, having preliminary plans prepared rein.-con., brick and stone memorial building. $150,000.

Okla. Ada — HOTEL — Chamber Commerce, c/o E. M. Woody, Chamber Commerce Bldg., soon takes bids 5 story and basement, 75 x 150 ft., rein.-con., brick and stone, Main St. $200,000. Engineer and architect not announced.

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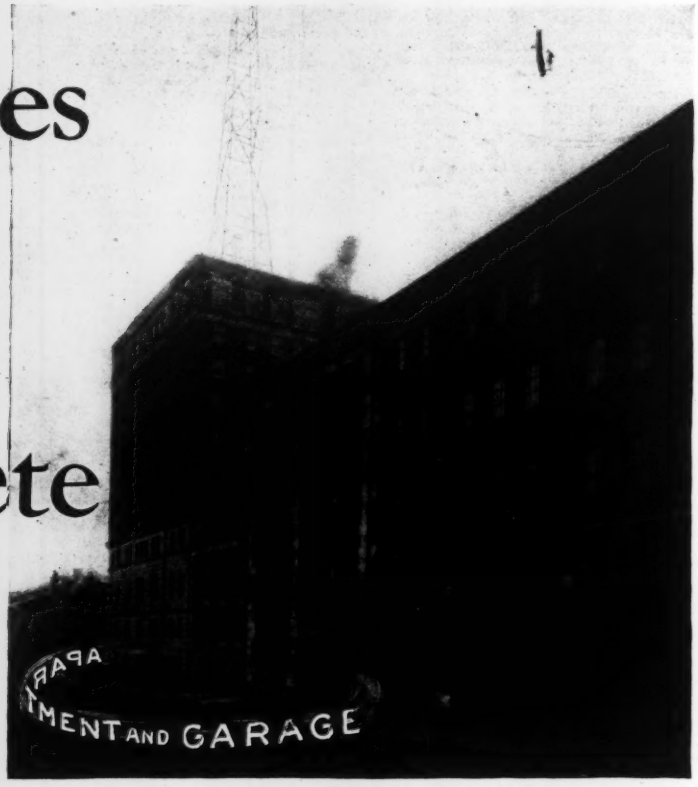

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Buildings—Commercial (Continued)

Okla., Oklahoma City — THEATRE — J. Seriopulo, et al., c/o Orpheum Theatre, having preliminary plans prepared 3 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation, 1st and Robinson Sts. $1,000,000.

Okla., Okmulgee—HOTEL—Chamber of Commerce c/o C. H. Kretz, chn., had plans prepared by Smith & Senter, 401 Commerce Investment Bldg., 10 story and basement, rein.-con., brick and terra cotta hotel. $750,000. Noted Jan. 20.

Okla., Tulsa—STATION, etc.—St. Louis-San Francisco R.R. Co., St. Louis, Mo., F. G. Jonah, ch. engr., Atchison, Topeka & Santa Fe R.R. Co., 80 East Jackson Blvd., Chicago, Ill., C. F. W. Felt, ch. engr., and Missouri-Kansas & Texas R.R. Co., Railway Exch. Bldg., St. Louis, Mo., F. Ringer, ch. engr., signed agreement with city new 4 story Union Station, incl. track depressions and elevations, new viaducts at Main, Boston and Cincinnati Sts., etc. $1,000,000. Private plans. Noted Aug. 6, 1925.

Tex., Houston — CITY HALL — Voted $1,000,000 bonds, new city hall. J. C. McVea, city engr. Noted Apr. 7.

Tex., Houston—MARKET—Voted $400,000 bonds, farmers market; and $150,000 bonds, hospitals. J. C. McVea, city engr. Noted Apr. 7.

Ore., Portland—HOTEL—C. S. Jensem, c/o Liberty Theatre, plans hotel, 6th, 7th, Jefferson and Main Sts., here. To exceed $250,000.

Ore., Portland — LODGE — Neighbors of Woodcraft Building, 394 Taylor St., plans 6 story, 100 x 100 ft. lodge and temple, 14th and Morrison Sts. To exceed $250,000. Engineer and architect not selected.

Calif., Altadena (br. Pasadena)—HOTEL and RESORT—Group of men headed by F. W. Purkett, pres., and T. O. Cole vice-pres., having preliminary plans prepared by E. S. Marsh, 911 Quimby Bldg., Los Angeles, 5 story hotel, 14 cottages and swimming pool, Barberry Hills. $150,000.

Calif., Bakersfield—HOTEL—Padre Hotel Corp., c/o J. M. Cooper, archt., Rives-Strong Bldg., Los Angeles, having plans prepared 8 story and basement, rein.-con., 8th St. To exceed $150,000.

Calif., Bakersfield — HOSPITAL and COURT HOUSE—Kern Co. plans election approximately $150,000 bonds, hospital addition, and $150,000 bonds, courthouse annex.

Calif., Davis—ANIMAL HUSBANDRY—State Agricultural Dept., Sacramento, plans animal husbandry building at Davis College of Agriculture, here. $300,000. Div. Architecture, State Dept. Pub. Wks., Forum Bldg., Sacramento, archt.

Calif., Los Angeles—APARTMENT—A. G. Neff, c/o Merrill & Rahn, archts., Financial Center Bldg., having plans prepared 4 story and basement, 75 x 160 ft., brick, South Alexander Ave. $150,000.

Calif., Los Angeles—APARTMENT—C. A. Schieb, c/o R. D. King, archt., Van Nuys Bldg., having plans prepared 4 story and basement, brick, North Winona Blvd. $175,000.

Calif., Los Angeles — APARTMENT — Tifal & O'Connor, Chamber of Commerce Bldg., having plans prepared by Dedrick & Bobbe, Heartwell Bldg., Long Beach, 6 story and basement, brick and steel, 5th St. $300,000.

Calif., Los Angeles—APARTMENT—A. Arrasmith, c/o Postle & Postle, archts., Van Nuys Bldg., had plans prepared 6 story and basement, rein.-con., South Union Ave. $150,000.

Calif., Los Angeles—APARTMENT—T. Feigenbaum, c/o L. T. Squires, archt., 410 Washington Bldg., had plans prepared 4 story and basement, 50 x 150 ft., brick, Westmoreland Ave. $150,000.

Calif., Los Angeles — APARTMENT — Fidelity Constr. Co., Hill-Street Bldg., had plans prepared by J. M. Haenke, Rives-Strong Bldg., 5 story and basement, brick, Vermont Ave. $150,000.

Calif., Los Angeles — APARTMENT — L. R. Lytle, Guaranty Bldg., Hollywood, plans approximately 4 story and basement, brick, Union Dr. $150,000.

Calif., Los Angeles—APARTMENT—G. Mayer, 1051 Cloverdale Ave., had plans prepared by A. B. Sturges, Harth Bldg., 4 story and basement, brick, South Coronado St. $150,000.

Calif., Los Angeles—APARTMENT—E. Jose, 251 Kearny St., San Francisco, had plans prepared by H. C. Baumann, 251 Kearny St., San Francisco, 6 story and basement, steel and concrete, Gough and Bway. Sts. $150,000.

Calif., Los Angeles—HOSPITAL—Missionary Sisters of Sacred Heart had preliminary plans prepared by R. Meier, Title Insurance Bldg., 8 story and basement, rein.-con., Hill St. $650,000.

Calif., Los Angeles—HOTEL—R. Beckwith, c/o Postle & Postle, archts., Van Nuys Bldg., having plans prepared 7 story and basement, 56 x 115 ft., rein.-con., South Wall St. To exceed $150,000.

Calif., Los Angeles—HOTEL—A. Curdy, c/o Dedrick & Bobbe, archts., Heartwell Bldg., Long Beach, having plans prepared 9 story and basement, 50 x 125 ft. rein.-con 7th St. $300,000.

Calif., Los Angeles—STORE, LOFT and OFFICE — E. M. Hite, c/o Webber, Staunton & Spaulding, archts., Hibernian Bldg., having preliminary plans prepared brick or concrete, South Figueroa St. $250,000.

Calif., Los Angeles—STORE and LOFT—Foreman & Clark, c/o Knauer & Smale, archts., 1124 South Western Ave., having plans prepared 12 story and basement, 90 x 140 ft., structural steel and brick, 7th and Hill Sts. $500,000.

Calif., Los Angeles—STORE and OFFICE—Sun Realty Co. having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 3 story, 62 x 140 ft., brick, 6th and Alvarado Sts. $200,000.

Calif., Los Angeles—STORE and OFFICE — California Properties Corp., 604 South Western Ave., plans 12 story, rein.-con., 6th St. and Western Ave. To exceed $150,000. Engineer and architect not selected.

Calif., Oakland—APARTMENT—C. N. Burrell, archt., Amer. Bank Bldg., preparing plans 6 story and basement, brick and steel, Telegraph Ave. $150,000. Owner's name withheld.

Calif., San Francisco—APARTMENT—C. N. Burrell, archt., Amer. Bank Bldg., Oakland, preparing plans 6 story and basement, brick and steel, Leavenworth St. $150,000. Owner's name withheld.

Calif., San Francisco—APARTMENT—Stock, Maas & Sauer, c/o A. H. Larsen, archt., 447 Sutter St., had plans prepared six 6 story, brick and steel, Clay St. and Van Ness Ave. $1,500,000. Noted Oct. 28.

Calif., San Francisco—HOTEL—Moana Hotel Co., 342 Grant Ave., had plans prepared by C. H. Barrett, 342 Grant Ave., 10 story and basement, rein.-con. and steel, Jefferson St. near Divisadero St. $250,000.

Calif., San Jose—APARTMENT—O. R. Thayer, archt., 110 Sutter St., San Francisco, prepared plans 5 story and basement, rein.-con. apartment. $177,000. Owner's name withheld.

Calif. Santa Maria—THEATRE STORE and OFFICE—Principal Theatre Inc., Film Exch. Bldg., Los Angeles, having plans prepared by L. A. Smith, Film Exch. Bldg., Los Angeles, 2 and 3 story, 119 x 170 ft., rein.-con., South Bway. and Church Sts. $250,000.

Calif., Ventura—HOTEL, etc.—R. F. Rust, c/o Piper & Kahrs, archts., 441 East 1st St., Long Beach, had preliminary plans prepared hotel, 3 concrete bridges, road work and sanitarium for health resort. $500,000.

Calif., Ventura—THEATRE, STORE and HOTEL—Amer. Amusement Co. having preliminary plans prepared by L. A. Smith, Film Exch. Bldg., 3 story, rein.-con., Main and Chestnut Sts. $300,000.

Bids Desired

Me., Augusta — BANK — First Natl. Granite Bank, c/o T. M. James Co., archts., 3 Park St., Boston, Mass., taking bids altering and constructing 2 story and basement, rein.-con., brick and steel addition, plain foundation. $150,000. Former bids rejected. Noted Dec. 9.

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—HOSPITAL—May 11, by Massachusetts Women's Hospital, Parker Hill Ave., Roxbury, 2 story and basement, 40 x 160 ft., brick, steel and stone, Parker Hill Ave. $150,000. Andrews, Jones, Biscoe & Whitmore, 50 Congress St., archts.

Mass., Boston — HOSPITAL—Massachusetts General Hospital, Fruit St., taking bids 11 story and basement, 45 x 150 ft., brick and steel, concrete foundation, Fruit St. $1,000,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., Boston, archt. Noted Mar. 24.

Mass., Cambridge (br. Boston)—MANUFACTURING—May 22, by W. Filene Sons Co., 426 Washington St., Boston, 4 story and basement, 60 x 230 ft., rein.-con., brick and stone addition, plain foundation, Main St. and Esplanade. To exceed $150,000. Private plans.

Mass., Canton—BANK—Canton Institution for Savings, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, taking bids 1 story and basement, rein.-con., brick and steel, plain foundation, here. $150,000. Noted Mar. 31.

Mass., Medford (br. Boston)—STORE and OFFICE—A. Koniares, 45 Prospect St., Malden, taking bids 3 story and basement, brick and stone, plain foundation, Main St. near Medford Sq. $150,000. C. F. Springall, 50 Concord St., Malden, archt.

R. I., Burrillville—HOSPITAL—May 6, by Pub. Welfare Dept., Providence, altering and constructing 2 and 3 story and basement, brick addition, plain foundation, here, for State Sanitorium. $150,000. Noted Mar. 24.

Conn., Waterbury—HOSPITAL—May 11, by Waterbury Hospital, Robbins St., 4 story and basemen, 88 x 176 ft., brick, concrete and steel, Robbins St. $625,000. F. A. Webster, 51 West Main St., archt.

N. Y., Jamestown—May 11, by J. F. Jackson, archt., 137 East 45th St., New York City, 4 story and basement building, East 4th and Pine Sts., here, for Jamestown Y. M. C. A., F. P. Hall, 211 Lakeview Ave. $400,000. Pattison Bros., 304 Madison Ave., New York City, engrs. Noted July 15.

N. Y., New York—OFFICE—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Hoboken — APARTMENT — See "Contracts Awarded."

N. J., Morristown—APARTMENT—See "Contracts Awarded."

Md., Baltimore — APARTMENT — See "Contracts Awarded."

O., Cleveland Heights (br. Cleveland) — APARTMENT—Goodman-Shapiro Co., 636 Engineers Bldg., Cleveland, taking bids 3 story and basement, 55 x 130 ft., brick, Middlehurst Rd., here. $150,000. A. F. Janowitz, 817 Prospect Ave., Cleveland, archt.

Ind., Terra Haute—HOTEL and STORE—May 21, by Terra Haute Hotel Co., Fairbanks Estate, 10 story and basement, 155 x 162 ft., rein.-con., brick and steel hotel and store building. $1,000,000. W. E. Russ, Meridian Life Bldg., archt. Seventh St. Hotel Co., Chicago, Ill., lessee. Noted Jan. 20.

Mich., Saginaw — BANK — A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids and open same about May 10, 2 story and part basement, 80 x 188 ft., rein.-con., brick and steel, plain foundation, Federal Ave., here, for Bank of Saginaw, Federal Ave., Detroit. Noted Feb. 3.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., taking bids 12 story and basement, 150 x 150 ft., rein.-con., brick and terra cotta, wood pile foundation, 5332 Sheridan Rd. $2,000,000. T. R. Bishop & Son, 35 South Dearborn St., archts. Noted Aug. 12.

Ill., Chicago — APARTMENT — A. N. Lanski, 77 West Washington St., taking bids 3 story and basement, 55 x 160 ft., brick, 6061 Harper Ave. $200,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—APARTMENT and STORE—R. C. Harris, archt., 190 North State St., prepared plans and taking bids 3 story and basement, brick, Mason Ave. and Roosevelt Rd., for H. Lipson, c/o architect.

Ill., Chicago — APARTMENT — A. N. Lanski, 77 West Washington St., taking bids 3 story and basement, 100 x 164 ft., brick, 5109-15 Greenwood Ave. $400,000. T. R. Bishop & Son, 35 South Dearborn St., archts.

Ill., Chicago—APARTMENT HOTEL—P. F. Olson, archt., 720 Cass St., taking bids 13 story and basement, 100 x 125 ft., rein.-con., brick and terra cotta, 72nd St. and Jeffrey Ave., for Glatt & Molner, 2612 South Michigan Ave. $2,000,000.

Ill., Chicago—GARAGE—Huszagh & Hill, archts., 6 North Michigan Ave., taking bids 6 story and basement, 88 x 150 ft., rein.-con., brick and terra cotta, 5050 Bway., for S. A. Malato, 155 North Clark St. $400,000.

Kan., Dodge City—HOTEL—May 16, by Dodge City Hotel Co., c/o G. S. Howell & O. Theis, 5 story and basement, 115 x 125 ft., concrete, brick and stone, Walnut and Central Sts. $300,000. Ellis Charles Co., Orpheum Bldg., Wichita, archts. Noted Apr. 7.

S. D., Huron—BANK—May 10, by Natl. Bank of Huron, 4 story and basement, 50 x 112 ft., rein.-con., brick, stone and terra cotta bank building. $150,000. A. Moorman & Co., 601 Chamber of Commerce Bldg., St. Paul, Minn., archt. Noted Jan. 20.

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Buildings—Commercial (Continued)

N. M., Raton—HOTEL—J. DeLisio taking bids 5 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation. $175,000. Kerr & Walsh, 410 Amarillo Bldg., Amarillo, Tex., archts.

Ore., Portland—GARAGE—May 12, by R. D. Heinenway, archt., Bedell Bldg., 2 story, 100 x 100 ft., rein.-con. ramp garage, Montgomery and 18th Sts., for R. Somerville, 774 Halsey St. To exceed $150,000.

Calif., Glendale—BANK and OFFICE—Dodd & Richards, archts., Bracks-Shops Bldg., Los Angeles, taking bids 6 story and basement, 50 x 150 ft., rein.-con., Brand Blvd., here, for Pacific Southwest Trust & Savings Bank, Los Angeles. To exceed $200,000. Noted Sept. 21.

Calif., Los Angeles—HOSPITAL and NURSES HOME—L. H. Hibbard, archt., Metropolitan Bldg., taking bids 4 story and basement, 40 x 260 ft., hospital and 3 story and basement, 60 x 252 ft. home, both rein.-con., Sunset Blvd., for Childrens Hospital Assn. $500,000. Noted Nov. 11.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco—APARTMENT—C. Werner, archt., 605 Market St., taking bids 11 story and basement, rein.-con. and steel, Vallejo St., for One Thousand Nine Hundred Forty Vallejo St., Inc., c/o architect. To exceed $150,000.

Calif., Stockton—STORE—H. A. Minton, archt., Bank of Italy Bldg., San Francisco, taking bids 1 story and basement, rein.-con., Main and Hunter Sts., here, for Bank of Italy, Bank of Italy Bldg., San Francisco. $150,000 or more. L. H. Nishkian, 525 Market St., engr. Noted Jan. 6.

Bids Received

N. J., Verona (Ind. br. Montclair)—SCHOOLS—Bd. Educ., from A. C. Windsor, 263 Washington Ave., Newark, general contract addition to high school, $141,880. from Gallo Bros., Allen St., Netcong, Brookdale School $102,000, Forest Ave. School, $104,000, and for three combined $391,500, also grading athletic field, Sept. 1, $27,500, and from F. W. Gibbs Contg. Co., 2 Dodd St., Upper Montclair, Sect. 2 athletic field $3,400.

Ill., Alton—CITY HALL—Pub. Building Comn., E. B. Watson, chn., 2 story and basement, 90 x 120 ft., rein.-con. and brick, from J. C. Wuellner & Son, Alton. $181,400. Archts. est. $200,000. Noted Apr. 7.

Contracts Awarded

N. H., Manchester — THEATRE and STORE — Capitol Amusement Theatre, 2 story and basement, brick and steel, plain foundation, to Davison & Swanburg, 31 Amherst St. Archts. est. $150,000. Noted Apr. 28 under "Massachusetts."

N. H., Portsmouth—HOME—Wentworth Home for Chronic Invalids, 348 Pleasant St., altering and constructing 3 story and basement, brick and stone addition, plain foundation, to I. Brown, North Hampton. Archts. est. $150,000. Noted Feb. 10.

Vt., St. Johnsbury—HOSPITAL—Brightlook Hospital, F. E. Farmer, chn., 2 story and basement, brick and stone addition, plain foundation, Summer St., to C. M. Dwinnel, 9 Main St., Orleans. Archts. est. $150,000.

Mass., Athol—BANK—J. W. Beal & Sons, archts., 185 Devonshire St., Boston, 2 story and basement, brick, marble and steel, Main St., here, to Taylor-Wheeler Co., Athol, for Athol Savings Bank, L. B. Fay, 384 Main St. Archts. est. $200,000. Noted Apr. 7.

Mass., Boston — APARTMENT — B. Swartz, 77 Grenwood St., Dorchester, will build 3 story and basement, brick and stone, plain foundation, Hartwell and Cheney Sts., here. $200,000. Work will be done by separate contracts.

Mass., Boston — APARTMENT — W. I. Schell, 73 Tremont St., 5 story and basement, brick and stone, plain foundation, 401 Beacon St., to J. Loitherstein, 1 Duke St., Milton. Archts. est. to exceed $150,000. Noted Mar. 17.

Mass., Boston—STORE—Chandler & Co., 150 Tremont St., altering office building into 10 story and basement, brick and stone store, Tremont St., to G. A. Fuller Co., 11 Beacon St. Archts. est. $250,000.

Mass., Magnolia (Gloucester P. O.) — CASINO, DANCE HALL and DINING HALL—J. P. Del Monte, Hotel Brunswick, Boston. 2 story and basement, brick and timber, plain foundation, to W. H. Cann, 253 Rantoul St., Beverly. Archts. est. $150,000.

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Mass., Newburyport—BANK—Newburyport Five Cent Savings Bank, 74 State St., 1 story and basement, brick and steel, plain foundation, to L. R. Porter Co., 197 Washington St., Salem. Archts. est. $150,000. Noted Mar. 24.

N. Y., Bayshore — EXCHANGE — New York Telephone Co., 140 West St., New York City, 3 story, brick and steel, plain foundation, 4th Ave., here, to Tidewater Building Co., 16 East 33rd St., New York City. Archts. est. $150,000.

N. Y., New York — CLUB HOUSE — Riding Club, 3 West 66th St., two 50 x 100 ft. rein.-con., brick and steel wings, concrete foundations, 3 West 66th St., to J. I. Downey, Inc., 410 West 34th St. Archts. est. $300,000 or $400,000.

N. Y., New York — GARAGE, SALES, SHOWROOM and SERVICE STATION—Uppercu Cadillac Corp., 1881 Bway., 12 story, rein.-con., concrete pile foundation, Columbus Ave. between 62nd and 63rd Sts., to Turner Constr. Co., 420 Lexington Ave. Archts. est. to exceed $1,000,000.

N. Y., New York — HOTEL — Durham Realty Corp., J. C. Thorn, pres., 511 5th Ave., 18 story, 99 x 100 ft., brick, steel and stone, 5th Ave. and 55th St., to Leddy & Moore, 700 West 40th St. Noted Feb. 17.

N. Y., New York City — OFFICE and LOFT—Schaeffer Operating Co., 243 West 30th St., general contract 14 story and basement, 46 x 98 ft., rein.-con., brick and steel, plain foundation, 227 West 29th St., to Longacre Eng. Co., 345 Madison Ave. Archts. est. to exceed $150,000.

N. Y., New York—OFFICE—Sixty-First Street and Broadway Corp., W. Kaufman, pres., will build 17 story and basement, 90 x 116 ft., rein.-con. brick and steel, plain foundation, 61st St. and Bway. $550,000. Work will be done by separate contracts under supervision of E. Roth, archt., 1440 Bway.

N. Y., New York—STORE and APARTMENT—H. A. Hyman, Inc., 50 East 42nd St., will build 12 story and basement, 107 x 149 ft., rein.-con., brick, steel and stone, plain foundation, 10th St. and University Pl. $500,000. Work will be done by separate contracts under supervision E. Roth, archt., 1440 Bway.

N. Y., Orangeburg—HOSPITAL—Dept. Mental Hygiene, Capitol, Albany, general contract 25 buildings for proposed Rockland State Hospital, here, to Niewenhous Co., Inc., 16 East 43rd St., New York City, $4,384,000; heating, from Almirall & Co., Inc., 66 West Bway., New York City, $215,976; plumbing, to C. H. Darmstadt, 352 West 43rd St., New York City, $399,000; electrical work, to T. F. Jackson, Inc., 99 Johns St., New York City, $154,800. Grand total $5,153,776. Noted Mar. 31.

N. J., Atlantic City—OFFICE—Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 8 story and basement, 38 x 150 ft., rein.-con., brick and steel, plain foundation, Mt. Vernon and Pacific Sts., here, to J. N. Gill Co., City Center Bldg., Phila., Pa., for Professional Arts Realty Co., c/o architects. Noted Apr. 14.

N. J., East Orange — APARTMENT — Kanter & Cohen, 146 Goodwin Ave., Newark, will build 4 story, 60 x 118 ft., brick and steel, plain foundation, 481 William St. $150,000. Work will be done by separate contracts. Kasoff & Flatt, 164 Market St., Newark, archts.

N. J., Hoboken—APARTMENT—Marlboro Corp., 95 River St., Jersey City, will build 5 story, 60 x 100 ft., brick and timber, plain foundation, 726-30 Hudson St., here. $150,000. Work will be done by separate contracts. Kelby & Cowan, 921 Bergen Ave., Jersey City, archts.

N. J., Long Branch—STORE and OFFICE—H. Trilling, 99 Bway., general contract 2 story, 115 x 180 ft., brick and steel, plain foundation, North and South Bway. Junction, to A. Schultz & Son, Inc., 114 Bway. Archts. est. $150,000.

N. J., Morristown—APARTMENT—A. Yenkelowitz, 217 Weequahic Ave., will build 5 story, 122 x 250 ft. apartment, South St. Archts. est. $250,000. Work will be done by separate contracts. R. Bottelli, 207 Market St., Newark, archt. Noted Mar. 31.

Pa., Bryn Mawr — HOSPITAL — Bryn Mawr Hospital, c/o W. Hinkle Smith, Liberty Bldg., Phila., 6 story and basement, 44 x 207 ft., and 4 story, 46 x 160 ft., rein.-con., brick and steel, plain foundations, to Stone & Webster, Real Estate Trust Bldg., Phila. Archts. est. $1,750,000.

Pa., Canadensis—HOTEL—Pocono Hotel Corp., Mt. Pocono, 4 story and basement, 54 x 189 ft. with two 46 x 105 ft. and one 58 x 71 ft. wings, all brick and steel, plain foundation, to Barclay White Co., 1713 Sansom St., Phila.

Pa., Phila.—HOSPITAL—E. J. Perrot, archt., 1211 Arch St., 4 story and basement, 42 x 65 ft., rein.-con., brick and steel, plain foundation, Broad and Fitzwater Sts., to Farrell Roth Co., 21st and Walnut Sts., for Womens Southern Home and Hospital. Noted Apr. 14.

Pa., Roxborough (Sta. Phila.) — HOSPITAL — Memorial Hospital, Ridge Ave. and Rector St., 4 story and basement, 42 x 98 ft., rein.-con., brick and steel, plain foundation, Ridge Ave. and Rector St., to Cramp & Co., Denckler Bldg., Phila., $250,000. Noted Dec. 9 under "Phila."

Pa., Wilkes-Barre — BANK — Miners Bank, steel contract for 16 story, brick and steel addition to McClintock-Marshall Co., Oliver Bldg., Pittsburgh. Archts. total est. $1,000,000.

Md., Baltimore—APARTMENT—W. P. Pearson, 1 East 33rd St., will build 4 story and basement, 42 x 160 ft, rein.-con., brick and steel, plain foundation, St. Paul and 33rd Sts., by day labor. $200,000. H. C. Aiken, 4201 Evergreen Ave., archt.

O., Cleveland — STORE, APARTMENT and RECREATION — St. Clair 124th Co., c/o H. Kaplan, 9501 North Blvd., 2 story and basement, 92 x 150 ft., brick, steel and concrete, East 124th St. and St. Clair Ave., to B. Zuckerman, 3547 East 154th St. Archts. est. $150,000. Noted Jan. 27.

O., Columbus—HOME—O. Moore, clk. Franklin Co., general contract 2 story and basement, brick and concrete home addition, to D. W. McGrath & Sons, 255 East Broad St., $116,349; plumbing and heating to W. H. Spohn Plumbing & Heating Co., 1400 East Main St., $28,580. Noted Mar. 31.

O., Norwood (Ind. br. Cincinnati) — APARTMENT—Leonard Realty Co., 1st Natl. Bank, 3 story and basement, rein.-con. and brick, plain foundation, Smith Rd., to Fisher-DeVore Co., Dixie Terminal, Cincinnati, $150,000.

O., Springfield—EXCHANGE—Ohio Bell Telephone Co., 4300 Euclid Ave., 1 story, double basement, brick and concrete, to Evans Co., Columbus, $150,000. Noted Feb. 3.

Ind., Indianapolis—CATHEDRAL—A. A. Scottish Rite, F. D. Stalnaker, chn., South Pennsylvania St., general contract 4 story and basement, 133 x 298 ft., rein.-con., brick and steel, North and Meridian Sts., to Hunkin-Conkey Co., Hunkin-Conkey Bldg., Cleveland, O., $1,117,469; structural steel, to Hetherington & Berner, 701 Kentucky Ave., $86,657; stonework, to Matthews Bros., Bloomington, $407,790; electrical work, to Sanborn Co., 309 North Illinois St., $44,890; heating, plumbing and ventilating, to Hays Bros., 236 West Vermont St., $222,000. Grand total $1,878,806. Noted Mar. 24.

Mich., Dearborn—MASONIC TEMPLE—Masonic Temple Assn., 3 story and basement, rein.-con., brick and steel, plain foundation, Harrison and Monroe Sts., to A. W. Kutsche Co., 333 State St., Detroit. Archts. est. $150,000.

Mich., Detroit—HOSPITAL—St. Marys Hospital, Clinton St., 4 story and basement, rein.-con., brick and steel addition, plain foundation, Clinton and Mullet Sts., to Bryant & Detwiler Co., Dime Bank Bldg., approximately $400,000.

Mich., Highland Park (Detroit P. O.)—APARTMENT—Rosenberg & Kaplan, 242 West Lafayette Blvd., Detroit, 6 story and basement, rein.-con., brick and steel, plain foundation, Highland Ave., to Melbourne Constr. Co., 242 West Lafayette Blvd., Detroit.

Mich., Jackson—OFFICE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., Detroit, 2 story and basement, 90 x 132 ft., rein.-con., brick and steel, plain foundation, Jackson St., here, for Michigan Bell Telephone Co., Cass Ave., Detroit, to Owen-Ames-Kimball Co., 38 Pearl St. N.W., Grand Rapids. Archts. est. $250,000. Noted Apr. 7.

Ill., Chicago—APARTMENT HOTEL—W. Bernhard & Co., archts., 820 Tower Court, masonry and concrete contract 12 story and basement, 75 x 135 ft., rein.-con., brick and stone, 6151 Winthrop Ave., to H. Janisch & Co., 1518 Winona St., for E. F. Techmer, 2441 Sunnyside Ave. Archts. est. $1,081,000. Noted Mar. 31.

Ill., Chicago—BANK—A. Epstein, archt., 2001 West Pershing Rd., masonry and carpentry contract 2 story and basement, 120 x 150 ft., rein.-con., brick and stone, Archer and Sacramento Aves., to Pairot Constr. Co., 38 South Dearborn St., for Midland Natl. Bank, 4191 Archer Blvd., Archts. est. $300,000. Noted Apr. 7.

Ill., Chicago — HOTEL — W. G. Kreig, archt., 105 North Clark St., general contract 20 story and basement, 52 x 147 ft., brick, stone, tile and terra cotta, incl. swimming pool, bowling alleys, etc., 1234-36 South Wabash Ave., to O. W. Rosenthal

Buildings—Commercial (Continued)

& Co., 80 East Jackson Blvd., for Syndicate, c/o contractors. Archts. est. $1,600,000.

Ill., Chicago—OFFICE and STORE—A. S. Alschuler, archt., 28 East Jackson Blvd., and Beverly S. King, Inc., associated archts., 18 East 41st St., New York City, general contract 15 story and basement, 63 x 80 ft., rein.-con. and brick, 15-19 East Jackson Blvd., to McLennan Constr. Co., 307 North Michigan Ave., for Finchley Building Corp., 564 5th Ave., New York City. Archts. est. $750,000.

Ill., Chicago — STORE and OFFICE — Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., general contract 21 story and basement, 200 x 200 ft., brick, steel and stone, caisson foundation, Sherman, Van Buren and Wells Sts., to J. Griffiths & Sons Co., 112 West Adams St., for Insurance Exchange Building Corp., 175 West Jackson Blvd. Archts. est. $5,000,000. Steel contract for above awarded to Amer. Bridge Co., 208 South La Salle St. Noted Apr. 7.

Ill., Chicago—STORE—A. L. Alschuler, archt., 28 East Jackson Blvd., general contract 5 story and basement, 71 x 120 ft., rein.-con. and brick, 1615 West Chicago Ave., to Salomon Waterton Co., 230 East Ohio St., for Goldblatt Bros., 1615 West Chicago Ave. Archts. est. $600,000. Noted Feb. 10.

Ill., Wheeling — CLUB HOUSE — Columbian Country Club, new club house, out door swimming pool, golf course, etc., Milwaukee Ave. near here, to T. Gorey, Evanston, $185,000.

Wis., Milwaukee—STORE—Sears, Roebuck & Co., 122 South Michigan Ave., Chicago, general contract 2 or 3 story, brick, 25th and Fond du Lac Sts., here, to B-W Constr. Co., 720 Cass St., Chicago, Ill. Archts. est. $500,000. Noted Apr. 28.

Ia., Cedar Rapids—CONSISTORY—Consistory Fidelity Co., O. L. Leefers, chn., Mt. Vernon Ave. and South 17th St., general contract 3 story (45 ft. high), 124½ x 216½ ft., with wings 22 ft. high, rein.-con., brick and stone, Avenue A near 6th St., to Loomis Bros., Cedar Rapids, $171,034; plumbing, heating and ventilating, to Cyrus Metcalf, Cedar Rapids, $28,676. Noted Apr. 7.

Mo., Louisiana—HOSPITAL—Otis Smith Hospital Assn., c/o C. G. Buffum, pres., general contract 3 story, rein.-con., brick and stone, to G. W. Gerhardt Constr. Co., Cape Girardeau. Archts. est. $150,000. Noted Apr. 27.

Tex., San Antonio—CITY HALL—City Comn., 1 story addition, Military Plaza, to J. DePuy, c/o Builders Exch. Bldg., $188,029. Noted Apr. 7.

Okla., Oklahoma City—STORE—J. D. Thomas, 1023 West 18th St., 2 story and basement, 110 x 270 ft., rein.-con. and brick, plain foundation, 10th and Classen Sts., to Reinhart & Donovan, $150,000. Noted June 10.

Ore., Portland—WAREHOUSE—Meier & Frank Co., 5th and Morrison Sts., 4 story, 200 x 200 ft., rein.-con. and brick, 14th, 15th, Everett and Flanders Sts., to Wahl & Shattuck Co., Henry Bldg. Archts. est. $500,000.

Calif., Hollywood (Ind. Sta. Los Angeles) — APARTMENT — Globe Investment Co., Taft Bldg., 6 story, 50 x 150 ft. apartment, Franklin Ave. near Vine St., to Tierstein Constr. Co., Taft Bldg., $250,000.

Calif., Los Angeles—APARTMENT—C. Arrowsmith, 6 story and basement, steel and rein.-con., Bronson Ave. and Washington Blvd., to Fay & Felts, Fay Bldg., approximately $150,000.

Calif., Los Angeles—APARTMENT—Income Properties, Inc., Grosse Bldg., 4 story and basement, 60 x 150 ft., rein.-con., South Flower St. near 20th St., to Foley & Woodcock, 422 West Vernon Ave., approximately $175,000.

Calif., Los Angeles—APARTMENT—J. D. Batchelder, Film Exch. Bldg., 5 story, 106 x 108 ft., 1170 Bellevue Ave., to H. L. Shaw, Film Exch. Bldg., $150,000.

Calif., Los Angeles — APARTMENT — Flower St. Income Properties Co., Flower St., 4 story and basement, 68 x 150 ft., rein.-con., 2315 South Flower St., to Foley & Woodcock, 422 West Vernon St., $200,000. Noted Mar. 24.

Calif., Los Angeles — APARTMENT — Preferred Income Properties, Inc., 406 Grosse Bldg., 4 story and basement, 145 x 190 ft., rein.-con. and tile, North Bway. and Sichel Sts., to Foley & Woodcock, 422 West Vernon Ave., $300,000.

Calif., Los Angeles—CLUB HOUSE—California Club, Hope St., 12 story, 189 x 330 ft., steel and rein.-con., Hope St. near 6th St., to P. J. Walker Co., W. M. Garland Bldg., $2,000,000. Noted May 6, 1926.

Calif., Los Angeles—GARAGE—Syndicate being formed, 80 x 170 ft., rein.-con., 832 South Olive St., to Fidelity Constr. Co., 709 Hillstreet Bldg., $500,000.

Calif., Los Angeles—HOTEL—E. McCurdy, Long Beach, 9 story, 50 x 126 ft., rein.-con., concrete pile foundation, East 7th St. between San Julian and Wall Sts., to Lone Building Co., 206 South Spring St. $350,000.

Calif., Los Angeles—OFFICE and LOFT—A. C. Martin, archt., Higgins Bldg., 7 story, rein.-con. addition, Hill St., to Pozzo Constr. Co., 421 Macy St., for J. J. Schumacher, c/o architect. $154,500. Noted Mar. 24.

Calif., San Diego—BANK, STORE and OFFICE—San Diego Trust & Savings Bank, general contract 13 story and basement, steel and rein.-con., 6th and Bway. Sts., to Simpson Constr. Co., Bank of Italy Bldg., approximately $1,000,000; steel, to Virginia Bridge & Iron Wks., Roanoke, Va. Noted Apr. 14.

Calif., San Francisco—APARTMENT—Ridgway Investment Co., c/o H. C. Baumann, archt., 251 Kearney St., steel and concrete, Fillmore and Chestnut Sts., to Monson Bros., 251 Kearney St., $175,000.

Calif., San Francisco — HOSPITAL — Roman Catholic Archbishop, 1100 Franklin St., 3 story and basement, steel and brick, Masonic Ave., to Clinton Constr. Co., 923 Folsom St., $168,355.

Calif., San Francisco — LOFT and PRINTING PLANT — Schwabacher-Frey Co., 735 Market St., 5 story, rein.-con., Bryant and 3rd Sts., to G. Wagner, Inc., 181 South Park, approximately $300,000.

Calif., San Francisco — OFFICE and LOFT—V. Buckley, archt., 525 Underwood Bldg., 10 story and basement, rein.-con., Howard and 2nd Sts., to E. K. Nelson, 77 O'Farrell St., for Ideal Realty Co., 46 Kearny St. Approximately $300,000. Noted Mar. 24.

Calif., San Marino (mail Los Angeles)—MAUSOLEUM—H. E. Huntington, Huntington Estate, rein.-con. and marble mausoleum, on Huntington Estate, to W. C. Crowell, 495 South Bway., Pasadena, $250,000.

Buildings — Industrial

Proposed Work

Mass., Holyoke — HOSIERY PLANT — Harris Silk Hosiery Co., Inc., E. G. Harris, pres., soon lets contract, 1 story, 90 x 150 ft., brick and steel plant. $50,000. Lockwood, Greene & Co., 24 Federal St., Boston, archts.

Mass., Salem—REPAIR and SERVICE GARAGE—R. Rogers, 2 Holly St., having sketches made by W. H. Hunt & Son, 197 Washington St., 1 story, rein.-con., Canal St. $50,000.

Conn., Bridgeport—PLANT—Bridgeport Metal Goods Co., Cherry St., having plans prepared by Fletcher-Thompson, Inc., 542 Fairfield Ave., 2 story 60 x 240 ft., brick and timber, Cherry St. $100,000.

N. Y., Niagara Falls—POWER PLANT—Certain-teed Products Co., 100 East 42nd St., New York City, soon takes bids 49 x 64 ft., rein.-con., brick and steel, here. Klipstein & Rathman, 316 North 8th St., St. Louis, Mo., archts.

N. J., Irvington (br. Newark) — FACTORY — E. Potter & Co., 1168 South Grove St., having plans prepared W. E. Lehman, 972 Broad St., Newark, 2 story, 65 x 100 ft., brick and steel, plain foundation, South Grove St. $40,000.

N. J., Irvington (br. Newark) — FACTORY—C. Stevens, 150 Ellery Ave., Newark, having plans prepared by F. G. Noble, 142 Market St., Newark, 2 story, 100 x 100 ft., brick and steel, plain foundation, 76 Coit St., here. $50,000.

N. J., New Brunswick—FACTORY and BOILER HOUSE—Mohme Aero Eng. Co., c/o W. E. Arthur, engr. and archt., 103 Park Ave., New York City, plans rein.-con., brick and steel factory, boiler house and hangar, at Hadley Flying Field, near here. To exceed $40,000.

N. J., Perth Amboy—MILL—Sea Board Refractories Co., Valentines Ave., having plans prepared 1 story, 40 x 60 ft., and 80 x 300 ft., rein.-con., brick and steel, plain foundation, Valentines Ave. $150,000. Private plans.

Pa., Phila.—FACTORY—Gill Glass Co., Amber and Venango Sts., having plans prepared by I. T. Catharine, Franklin Trust Bldg., 2 story and basement, 150 x 250 ft., rein.-con. and brick, plain foundation, Amber and Venango Sts. $200,000.

Md., Baltimore — FACTORY — Anchor Post Iron Wks., 9 East 38th St., New York City, plans 1 story, rein.-con. and brick, plain foundation, Eastern Ave. and 35th St., here. $200,000. Engineer and architect not selected.

Tenn., Chattanooga—SPINNING MILL—Dixie Mercerizing Co., Watkins St. and Belt R.R. tracks, having plans prepared by Roberts & Co., archts. and engrs., Bona Allen Bldg., Atlanta, Ga., concrete and steel addition. $800,000.

O., Alliance — FACTORY — Directors Amer. Steel Foundries Co. take bids about May 25, 2 story, 50 x 80 ft., fireproof addition, East Bway. and Canadian & Pacific R.R. tracks. $50,000.

O., Canton — FACTORY — Canton Drop Forging & Mfg. Co., 300-400 Odd Row Pl., plans 2 story addition, 1143 Willet Ave. S. E. $50,000.

O., Cleveland — SHOP — Colonial Iron Wks. Co., 875-885 East 67th St., soon lets contract erection steel for new shop, 17625-17643 St. Clair Ave.

O., Cleveland—FACTORY—Bailey Meter Co., 2015 East 46th St., having plans prepared by Hadlow Hick & Co., Finance Bldg., altering 1 story, brick and steel, Ivanhoe Rd. $40,000.

Ind., Indianapolis—FACTORY—Sink & Edwards, 621 East Ohio St., soon lets contract 2 story and basement, 48 x 204 ft., brick and steel factory. $45,000. W. H. Albersmier, 508 Rank Bldg., archt.

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., soon takes bids 2 story and basement, brick and timber, 3510-26 South Western Ave., for Parisian Novelty Co., 151 West 22nd St. $150,000. Noted Apr. 7.

Ill., Silvis — SHOPS — Chicago, Rock Island & Pacific R.R. Co., La Salle St., Sta., Chicago, C. A. Morse, ch. engr., soon lets contract 1 story, 110 ft. extension, and other improvements to locomotive shops, at yards, here. $134,000.

Wis., DePere—SERVICE STATION and SHOP—DePere Motor Co. plans 2 story, 50 x 120 ft., rein.-con., brick and steel, plain foundation, George St. $40,000. Engineer and architect not selected.

Wis., Sturgeon Bay—SERVICE STATION—Severson & Konrad, soon takes bids 1 story, 80 x 100 ft., rein.-con., brick and steel, Garland Ave. $40,000. Private plans.

Ia., Keokuk—POWER PLANT—Mississippi River Power Co., Keokuk, L. E. Dickinson, genl, mgr., subsidiary of Union Electric Light & Power Co., 12th and Locust Sts., St. Louis, Mo., having plans prepared 4 unit, 216 ft. addition, to provide 40,000 additional kw. electric power, etc., here. $2,500,000. A. Davis, ch. engr.

Minn., Minneapolis—FACTORY—Cream of Wheat Co., D. F. Bull, treas. and mgr. 1st Ave. and 5th St. having plans prepared by W. H. Wheeler, archt. and engr., 1110 Metropolitan Life Bldg., 4 story and basement, with 6 story tower, 165 x 250 ft., rein.-con., brick and stone, Bway. and Stinson Blvd. $1,000,000.

Kan., Newton—PUBLISHING PLANT—Evening Kansas Republican having plans prepared by Greenbaum, Hardy & Schumacher, 216 Scarritt Bldg., Kansas City, Mo., 2 story and basement, 66 x 100 ft., rein.-con. and brick publishing plant.

Tex., San Antonio — GARAGE — Smith Bros. Development Co., c/o Plaza Hotel, plans rein.-con., brick, tile and stone garage. $75,000. A. B. and R. M. Ayres, Bedell Bldg., archts.

Okla., Ponca City—OIL REFINERY—Empire Refinery Co. having plans prepared 4 new high pressure cracking stills and motorizing all present equipment, incl. 60 new motor 5 to 150 hp. each. $1,000,000. R. R. Mills, Ponca City, engr.

Ore., Oregon City—PAPER MILL—Hawley Paper & Pulp Co., having plans prepared pulp and paper mill, Hawley site. $1,500,000. V. D. Simonson, Tribune Tower Bldg., Chicago, Ill., engr.

Calif., Laguna Beach — ICE PLANT — South West Ice Investment Co., 210 West 7th St., Los Angeles, plans ice plant, 20 ton per daily capacity, near here. $60,000. Engineer and architect not selected.

Calif., Los Angeles—GARAGE and FACTORY—Tucker & Regan, Mutual Bldg. and Loan Assn., Long Beach, had plans prepared by Title Holding Co., Chapman Bldg., 1 story and 2 story, 200 x 300 ft., brick and steel, East Washington and Alameda Sts. To exceed $40,000. W. E. Young, Chapman Bldg., engr. General Motors Truck Co., 717 South San Pedro St., lessee.

Calif., San Francisco — PRINTING PLANT and LOFT — Schwabacher-Frey

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Buildings—Industrial (Continued)

Co., 735 Market St., having plans prepared 5 story, approximately 96 x 106 ft., rein.-con., 3rd and Bryant Sts. $250,000. Private plans.

Calif., Wilmington — COTTON COMPRESS PLANT—Group of men from Los Angeles, San Francisco and San Joaquin plan cotton compress plant, here. $500,000.

Mexico, Nuevo Laredo — FURNITURE PLANT—C. W. Flato, c/o Chamber of Commerce, Laredo, Tex., plans furniture factory, here. $100,000.

Que., Eastman — PLANT — Canadian-Amer. Copper Refining Co., c/o T. Cunningham, 87 Notre Dame St., W., Montreal, soon takes bids copper concentrating plant, rein.-con., here. $300,000.

Que., St. Felicien—PLANT—A. Tremblay, Bagotville, soon takes bids pulpwood plant, here. $300,000.

Que., St. Marie de Beauce—MILL—C. Chase soon takes bids 3 x 40 x 50 ft. carding mill, brick and steel. $50,000.

Man., Fort Alexander—PLANT—Manitoba Power Co. soon takes bids constructing 28,000 generating unit at Great Falls Plant.

Bids Desired

N. J., East Orange — BAKERY — See "Contracts Awarded."

N. J., Linden — LABORATORY — See "Contracts Awarded."

N. J., Passaic—FACTORY—See "Contracts Awarded."

Contracts Awarded

N. Y., Albany — COLD STORAGE WAREHOUSE—Central Railway Terminal & Cold Storage Co., Inc., c/o Moores & Dunford, Inc., archts., 110 East 42nd St., New York City, 11 story, cold and dry storage warehouse, at New York Central R.R. and Delaware & Hudson R.R. tracks, here, to Parklap Constr. Corp., 84 Pine St., New York City. Archts. est. $2,000,000.

N. Y., Buffalo—WIRE FACTORY—Rome Wire Co., Clyde Ave., general contract 1 story and basement, 120 x 300 ft., rein.-con., brick and steel addition, plain foundation, Amherst Ave., to J. W. Cowper, Fidelity Bldg., $91,000.

N. Y., Minetto—PLANT—Columbia Mills, 1 story and basement, 100 x 170 ft., rein.-con. and stone addition, to Aberthaw Co., 80 Federal St., Boston, Mass. Archts. est to exceed $40,000.

N. J., East Orange — BAKERY — McDonald Baking Co., will build 2 story, 60 x 155 ft., brick and steel, plain foundation, 2-4-68 Springdale Ave. $45,000. Work will be done by separate contracts.

N. J., Linden—LABORATORY—Standard Oil Co. of New Jersey, Bayway Refinery, Elizabeth, will build 1 story, 50 x 65 ft., brick and steel, Bayway Refinery, here. $40,000. Work will be done by company forces. Private plans.

N. J., Passaic—PRINTING PLANT—Passaic Daily News, 629 Main Ave. general contract 2 story, 60 x 90 ft., brick and steel, plain foundation, 140 Prospect St., to H. Montague & Son, Inc., 15 Exchange Pl., Jersey City. Archts. est. $75,000.

N. J., Passaic—FACTORY—I. C. Herman & Co., Inc., 222 Passaic St., will build 3 story, 75 x 100 ft., brick and steel, plain foundation, 6 Aspen St. $60,000. Work will be done by separate contracts. Private plans. Steam heating, boilers, etc.

Pa., Bethlehem — MANUFACTURING — R. K. Laros, 3 story and basement, 63 x 225 ft., and 39 x 224 ft., rein.-con., brick and steel, plain foundation, 9th and Linden Sts., to F. H. Clements & Co., Bethlehem.

O., Cleveland—BAKERY—Plezell Cookie Co., 5700 Euclid Ave., 1 story, brick and steel, 6809 Superior Ave., to L. W. Lapp, 2020 Brunswick Rd. Archts. est. $40,000. Private plans.

Ill., Chicago—LABORATORY, etc.—Wisconsin Steel Wks. (owner and carpenter), masonry contract 40 x 60 ft., brick laboratory and office building, 106th St. and Torrence Ave., to A. Kerrison, 8027 Muskegon Ave. Archts. est. $40,000.

Wis., Madison—SERVICE STATION—Hub. Co., J. A. Markward, mgr. 328 West Gorham St., 1 story, 55 x 66 ft., rein.-con. brick and steel, plain foundation, here, to J. H. Findorff & Co., 601 West Wilson St., $52,000. Noted Apr. 14.

Okla., Alva—POWER PLANT—Southwestern Power Co., 28 x 30 ft., rein.-con. and brick addition, 15 ft. high, to H. Long, Alva. Archts. est. $48,000. This corrects report in Apr. 28 issue.

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Buildings—Educational, Religious

Proposed Work

Mass., Arlington (br. Boston)—SCHOOL—Town, J. G. Bracket, chn. com., having sketches made by F. I. Cooper, 172 Tremont St., Boston, Junior High School, 2 story, 60 x 185 ft., and 1 story, 60 x 135 ft., brick and stone, plain foundation, Tufts St. $300,000. Noted Mar. 31.

Mass., Dorchester (Boston P. O.) — SCHOOL — Schoolhouse Dept., Boston, having sketches made by J. M. Gray, 175 High St., 2 story and basement, brick, limestone and granite addition to Grover Cleveland School, plain foundation, Charles St., here. $150,000.

Mass., North Adams—CHURCH—Methodist Episcopal Church, c/o Woodbury & Stuart, archts., 581 Boylston St., Boston, having preliminary plans prepared 1 story and basement, probably brick and stone, Main St., here. $150,000. Noted Apr. 21.

Mass., Roxbury (Boston P. O.) — SCHOOL—City, Schoolhouse Dept., soon takes bids 3 story and basement, brick and limestone, plain foundation, Kearsarge Ave. and Winthrop St. $400,000. C. R. Greco, 11 Beacon St., Boston, archt. Noted Mar. 17.

Mass., West Roxbury (Boston P.O.)—CHAPEL—St. Josephs Parish, c/o McLaughlin & Burr, archts., 88 Tremont St., having revised plans prepared 2 story and basement, brick and stone, plain foundation, Baker and La Grange Sts. $150,000. Former bids rejected. Noted Apr. 14.

Mass., Winchester—SCHOOL—Town, c/o J. Quinn, supt. schools, having sketches made by Kilham, Hopkins & Greeley, 9 Park St., Boston, 2 story and basement, brick and stone addition to Wyman School, Church St. $150,000.

Conn., New Britain—CHURCH—Church of St. John the Evangelist, T. J. Laden, pastor, having plans prepared by H. Ludorf, 122 Main St., 1 story and basement, brick, steel and stone, East St. and Newington Rd. $250,000.

N. Y., Albany—HOME—Sisters of Mercy Home having plans prepared by Gander, Gander & Gander, 17 Steuben St., 3 story, brick, steel and concrete, New Scotland Ave. $300,000.

N. Y., Batavia—SCHOOLS—Bd. Educ. A. J. McWain, 23 Jackson St., having plans prepared by Green & Hopkins, Niagara Sq., Buffalo, three 2 story and basement, brick and steel schools, plain foundations, one on Union St., one in South Side, and other Brooklyn Ave. $175,000 each.

N. Y., Bronxville (Ind. br. Yonkers) — NURSES HOME — Lawrence Hospital, Pondfield Rd., West Bronxville, having plans prepared by Bates & How, 145 East 57th St., New York City, 5 story, brick, steel and stone, plain foundation, Palmer Ave., here. To exceed $150,000.

N. Y., New York — CHURCH and SCHOOL—St. Stephens Hungarian Church, 420 East 14th St., New York City, having revised plans prepared by J. H. McGuire, 5 Columbus Circle, 3 story, rein.-con., brick and steel, plain foundation, 408 East 82nd St. $250,000. Former contract rescinded. Noted Dec. 9.

N. J., Weehawken—SCHOOL—Bd. Educ., Town Hall, plans 3 story, brick and steel, plain foundation. $400,000. Engineer and architect not selected.

Ind., Anderson—HIGH SCHOOL—School Bd. purchased site and plans Junior High School, 2 story. 26th and Jackson Sts. $250,000.

Ind., Indianapolis—MEDICAL—School of Medicine, West Michigan St., takes bids about May 23, 4 story medical building, incl. executive offices and assembly room. $150,000. Daggett & Hibben, Continental Bank Bldg., archts.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., having plans prepared by Carey & Esselstyn, 602 Hoffman Bldg., 2 story and basement, rein.-con., brick and steel, plain foundation, Linwood Ave. $400,576.

Ill., Elmhurst—GYMNASIUM—Elmhurst College takes bids in early summer, 2 story, 87 x 150 ft., brick and steel, Prospect Ave. $150,000. B. F. Olsen, 10 South La Salle St., Chicago, archt. Noted Jan. 20.

Ia., Cedar Falls—DORMITORY—State Teachers College, c/o State Bd. Educ., State House, Des Moines, had preliminary plans prepared by Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Des Moines, 3 story and basement, rein.-con. and brick dormitory, here. $300,000.

Kan., Cherryvale—SCHOOLS—Defeated $150,000 bonds, rein.-con. and brick grade and high schools, for Bd. Educ. J. G. Felt & Co., 300 West 47th St., Kansas City, Mo., archts. Noted Apr. 21.

Kan., Hutchinson—HIGH SCHOOL—Bd. Educ., J. E. Geyer, secy., having plans prepared by W. E. Hulse & Co., Stamey Hotel Bldg., 2 story addition incl. 15 classrooms, gymnasium and 1,500 seating capacity auditorium, rein.-con., brick and stone. $180,000 bonds voted. Noted Mar. 24.

Mo., Columbia—CHURCH and SOCIAL CENTER—First Baptist Congregation, L. W. Smith, pastor, having revised plans prepared by L. B. Pendleton, 73 DeMenil Bldg., St. Louis, 3 story and basement, 125 x 180 ft., rein.-con., brick and stone, Bway. and Waugh Sts. $250,000. Noted Apr. 21.

Tex., Houston — SUNDAY SCHOOL — First Methodist Church, Clay and Main Sts., having plans prepared by J. R. Bailey, 1606 Main St., 5 story and basement, 83 x 93 ft., Clay and Travis Sts. $300,000.

Okla., Fairfax — CHURCH — First Methodist Episcopal Church having plans prepared by Smith & Senter, Commerce Bldg., Okmulgee, 2 story and basement, rein.-con. and brick, plain foundation, 4th St. $175,000.

Okla., Maud—HIGH SCHOOL—Bd. Educ. having preliminary plans prepared 2 story and basement, 80 x 100 ft., rein.-con. and brick, plain foundation, Young St. $175,000. Engineer and architect not selected.

Okla., Norman — CHURCH — First Christian Church, F. M. Warren, pastor, having plans prepared by Sorey & Vahlberg, Braniff Bldg., Oklahoma City, 3 story and basement, rein.-con., brick and stone, South Dakota St. $250,000.

Okla., Okmulgee — CHURCH — First Baptist Church having preliminary plans prepared brick church, Cherokee St. $175,000. Engineer and architect not selected.

Calif., Huntington Park—HIGH SCHOOL etc—Huntington Park Union High School Dist. voted $650,000 bonds, new high school at South gate, boys gymnasium and swimming pool, also new part time school.

Calif., Livermore — HIGH SCHOOL — Livermore Union High School Dist. plans election bonds to exceed $150,000, fireproof high school.

Calif., Los Angeles — CHURCH — First Congregational Church, 845 South Hope St., plans fireproof church, 6th St. and Commonwealth Ave. To exceed $500,000. Engineer and architect not selected.

Calif., Los Angeles—CHURCH—Roman Catholic Archbishop of Los Angeles had plans prepared by E. C. Martin, Higgins Bldg., 1 story, 170 x 1,120 ft., brick and concrete, West 9th St. $150,000.

Calif., Los Angeles—SCHOOL—Los Angeles School Dist. having preliminary plans prepared by Architectural Dept. Bd. Educ., physical training building, shop building, bleachers and retaining wall at Belmont High School. $160,000.

Calif., Los Angeles — SCHOOL — Missionary Sisters of Sacred Heart had plans prepared by R. Meier, Title Insurance Bldg., 1 and 2 story, incl. laundry building and dormitory, etc., brick and steel, Hill St. and Sunset Blvd. $150,000.

Calif., Oakland—SCHOOL—City of Oakland School Dist. having plans prepared by W. H. Weeks, 369 Pine St., 1 story, fireproof, 68th Ave. $150,000 or more.

Calif., Sacramento — ECONOMICS and SCIENCE—State Educational Dept., Sacramento, plans economics and science building at State Teachers College, here. $175,000. Div. Architecture State Dept. Pub. Wks., Forum Bldg., Sacramento, archt.

Calif., South Pasadena (Ind. br. Pasadena)—HIGH SCHOOL—Bd. Educ. South Pasadena High School Dist., having plans prepared by N. F. Marsh & Co., 1010 Bway. Central Bldg., high school incl. auditorium, Fair Oaks Ave. $350,000-$400,000. Election of bonds soon.

Que., Montreal—CHURCH—Church of Holy Innocents, W. W. MacDonough, pastor, having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., church. To exceed $150,000.

Bids Desired

Me., Portland—SCHOOL—Sacred Heart Roman Catholic Parish, J. Gary, pastor, taking new bids 2 story and basement, brick and stone, plain foundation, Sherman and Mellen Sts. $150,000. Former bids rejected. J. J. O'Shaughnessey, 9 Park St., Boston, Mass., archt. Noted Apr. 7.

Mass., Amherst—FRATERNITY—May 6, by Alpha Delta Psi, 3 story and basement, 50 x 90 ft., brick and stone fraternity house. $150,000. Andrew Jones, Biscoe & Whitmore, 50 Congress St., Boston, archts. Noted Feb. 10.

Mass., Revere — SCHOOLS — May 9, by Schoolhouse Dept., 2 story, basement and 2 wing, brick and stone addition to James

Buildings—Educational, Religious (Cont.)

Garfield School, plain foundation, $150,000 or more, I. Richmond, 248 Boylston St., Boston, archt.; also 2 story and basement, brick and stone addition to McKinley School, plain foundation, Yeaman St., $150,000, W. W. Drummey, 80 Boylston St., Boston, archt.

Mass., Roxbury (Boston P.O.)—AUDITORIUM—Mar. 12, by Wentworth Institute, J. D. Long, chn., Ruggles St., taking new bids 1 and 2 story and basement, 70 x 160 ft., brick and steel, plain foundation. $250,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts. Former bids rejected. Noted Feb. 3.

R. I., Providence—CHURCH and READING ROOM—Sacred Church of Christ taking bids 1 story and basement, 70 x 100 ft., rein.-con., brick and steel, plain foundation, Elmwood Ave. and Whitmarch St. $150,000. C. H. Lockwood, 171 Westminster St., archt.

Conn., New Haven — LABORATORY — May 12 (extended date., by Yale University Trustees, 4 story and basement, 150 x 200 ft., brick, steel, granite and limestone, Congress and Cedar Sts. $800,000. H. C. Pelton, 415 Lexington Ave., New York City, archt. Noted Apr. 28.

N. Y., Buffalo—CHURCH—G. A. Setter, archt., 67 Burch Ave., taking bids 1 story and basement, stone, East Ferry St., for St. Matthews Roman Catholic Church, 26 Wyoming Ave. $250,000.

N. Y., Far Rockaway—HIGH SCHOOL—May 24, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, constructing Far Rockaway High School, Beach 25th, 29th, Cornaga Ave. and Oceancrest Blvd., Queens Boro, here, for Bd. Educ., 500 Park Ave., New York City. Noted Feb. 10.

Ala., Mobile—LIBRARY—May 11, by Library Bd., 2 story and basement, 90 x 150 ft., rein.-con. library. $200,000. G. B. Rodgers, 1007 Van Antwerp Bldg., archt.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—May 11, by Bd. Educ., W. G. Nesbit, dir., 14387 Superior Rd., 2 story and basement, brick and steel additions to Taylor and Fairfax Schools. $200,000. J. H. Graham & Co., 1612 Euclid Ave., Cleveland, archts. Noted Apr. 14.

Ind., Evansville—SCHOOLS—May 11, by School Comrs., constructing Fulton Ave. School $114,400, Emma Roach School $45,500, Howard Roosa School $40,500, and brick Gymnasium, 6th and Division Sts. $115,000. Noted Mar. 24.

Ind., Indianapolis — SCHOOL, NURSES HOME and HOSPITAL — May 11, by Riley Memorial, 1008 Merchants Bank Bldg., rein.-con., brick and steel nurses home, school and hospital. $500,000. C. R. Ammerman, Continental Bank Bldg., engr. Daggett & Hibben, Continental Bank Bldg., archts.

Mich., Detroit—LIBRARY—May 12, by D. B. Duffield, chn. Library Comn., Library Bldg., Woodward Ave., 2 story and part basement, rein.-con., brick and steel, plain foundation, Davison and Lumpkin Aves. $150,000. Donaldson & Meier, 1335 Penobscot Bldg., archts.

Ark., Texarkana—STATION—May 10, by Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., St. Louis Southwestern R.R. Co., Tyler, Tex., W. S. Hanley, ch. engr., Kansas City Southern R.R. Co., Kansas City, Mo., A. N. Reese, ch. engr., and Texas & Pacific R.R. Co., Dallas, Tex., E. F. Mitchell, ch. engr., c/o Missouri Pacific R.R. Co., 2 story, 50 x 282 ft. station and 1 story, 40 x 285 ft. mail and express annex, rein.-con., brick, stone and steel station, here. $1,700,000. E. M. Tucker, c/o Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., archt. Noted Mar. 3.

Okla., Ardmore—CHURCH—May 10, by Bway. Baptist Congregation, W. L. Rector, pastor, 3 story and basement, 73 x 205 ft., brick, concrete or stone, C St. and 1st Ave. $150,000. B. H. Hunt & Co., 1407 Southwest Bldg., Dallas, Tex., archts. Noted Apr. 28.

Calif., Pittsburg—SCHOOL—May 20, by Trustees Pittsburgh High School Dist., 1 story, gymnasium and shop, also 2 story academic building, all timber and brick veneer. $175,000. Stone & Warner, 354 Hobart St., Oakland, archt. Noted Feb. 25.

Calif., Riverside—HIGH SCHOOL—May 16, by Trustees Riverside Jr. High School Dist., 2 story, 165 x 267 ft., rein.-con., incl. auditorium. $150,000. Rea & Garstang, Pacific Southwest Bldg., Los Angeles, archt.

Bids Received

N. Y., Brooklyn — SCHOOL — W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Apr. 27, general contract addition to P. S. 104, 92nd St. and 5th Ave., from D. M. W. Contg. Co., 2058 Fulton St., for Bd. Educ., 500 Park Ave., New York City. $459,700. Noted Apr. 21.

N. Y., Springfield Gardens (mail Jamaica) —SCHOOL—W. H. Gompert, supt. Schools, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 37, Belknap Ave., here, from Willetts Constr. Co., Inc., Park Ave. and 95th St., New York City, for Bd. Educ., 500 Park Ave., New York City. $425,300. Noted Apr. 21.

N. Y., Syracuse — GYMNASIUM — Bd. Contr. & Supply, general contract gymnasium at North High School, Pond St., from Hueber Bros., 243 Baker Ave., $138,420; heating, from F. Bradt, 113 Oakwood Ave., $32,770. Noted Apr. 21.

N. J., Bergenfield—SCHOOL—Bd. Educ., Clinton Ave., general contract 1 story, brick and steel, plain foundation, Hickory Ave., from F. W. Bogert, 318 Broad Ave., Leonia, $119,300. Noted Apr. 21.

N. J., Cranford—SCHOOL—Bd. Educ., 109 Union Ave., Apr. 26, general contract 2 story, brick addition, Lincoln Ave., from M. Reisz, Fords, $170,633 heating, from G. B. and B. H. Steinke, Inc., 103 Park Ave., New York City, $30,545. Noted Apr. 21.

N. J., Ridgewood—SCHOOL—Bd. Educ., 1 Franklin Ave., Apr. 26, general contract rebuilding 1 story, 125 x 140 ft., brick and steel, plain foundation, California Ave., from C. E. Bowman Co., Inc., 358 Post Ave., Lyndhurst, $137,400. Noted Apr. 21.

O., Wyoming — SCHOOL — Clerk Bd. Educ., Mar. 21, 3 story and basement, 27 x 90 ft., rein.-con. and brick, plain foundation, Wyoming Ave., from E. Honnert, Colerain Pk., Cincinnati, $400,000. Noted Mar. 10.

Contracts Awarded

Mass., Boston — SCHOOL — St. Lazarus Parish, L. Toma, pastor, 12 North St., 2 story and basement, 70 x 90 ft., brick and stone, plain foundation, Ashley St., to Phandor Co., 18 Tremont St. Archts. est. $150,000. Noted Apr. 21.

Mass., Winchendon—CHURCH—Emanuel Church, J. P. Beachamp, pastor, 1 story and basement, rein.-con., brick and stone, plain foundation, to W. C. Beaman, 27 Monadnock Ave. Archts. est. $150,000. Noted Mar. 10.

R. I., East Greenwich—SCHOOL—Town, Bd. Educ., 2 story and basement, brick and stone, plain foundation, 1st Ave., to O. & S. Lavigne, Arctic. Archts. est. $150,000. Noted Mar. 17.

R. I., Providence—SCHOOL—Pub. Building Dept., City Hall, 3 story, 60 x 200 ft., brick and steel, incl. 50 x 72 ft. gymnasium, Veazie St., to Central Eng. & Constr. Co., 210 Main St., Pawtucket, $334,900. Noted Apr. 14.

N. Y., Albany—SCHOOL—H. P. Weber, archt., 835 Washington Ave., general contract 3 story, brick, steel and concrete, school, to Panziere & Hogan, Inc., 90 State St., for Our Lady of Angeles Parish, A. DeBelt, pastor. Archts. est. $250,000. Noted Apr. 21.

N. Y., Buffalo — CHURCH — Queen of Peace Roman Catholic Church, 84 Block St., general contract church, Genesee St., to L. Wisniewski, 1332 Sycamore St. Noted Feb. 17.

N. Y., Buffalo — SCHOOL — Bd. Educ., general contract School 77, 3 story and basement, rein.-con. and brick, Normal and Rhode Island Sts., to F. G. Hanssell, Ellicott Sq., $391,000.

N. Y., New York City — CHURCH — Featherbed Lane Presbyterian Church, 1350 University Ave., brick and steel and stone, plain foundation, University Ave. and Featherbed Lane, to Miller Reed Co., 949 Bway. Archts. est. $195,000.

N. Y., New York — NURSES HOME — Montefiore Hospital, Gunhill Rd. and Bainbridge Ave., brick, steel and stone, plain foundation, to Niemann-Irving Co., 30 East 42nd St. Archts. est. to exceed $375,000.

N. Y., Syracuse—SCHOOL—Bd. Contr. & Supply, City Hall, general contract Thomas W. Meachem Grade School, 2 story and basement, 105 x 261 ft. rein.-con., brick and steel, plain foundation, Spaulding Ave., to Shane Constr. Co., Herald Bldg., $234,000, and heating, to F. Bradt Co., 113 Oakwood Ave., $26,580. Noted Apr. 21.

N. J., Jersey City — SCHOOL — St. Josephs School for Blind, Magnolia and Baldwin Aves., 6 story and basement, rein.-con., brick and steel, plain foundation, Magnolia and Baldwin Aves., to J. Billington, 198 Fremont Ave. Archts. est. $300,000.

N. J., Princeton—CHEMISTRY and ENGINEERING—Princeton University, G. A. Wintringer, supt., general contract 3 story and basement chemistry building, and 3 story engineering building, both stone, to Matthews Constr. Co., Princeton. Archts. ests. $1,200,000 and $250,000 respectively.

Pa., Chestnut Hill (sta. Phila.)—COLLEGE—St. Joseph College, 18th and Thompson Sts., 3 story and basement, 43 x 122 ft., 43 x 152 ft., 56 x 152 ft., and 43 x 320 ft., brick, steel and stone buildings, plain foundations, to McCloskey Co., 1620 Thompson St., Phila. Noted Mar. 31.

Pa., Mercersburg — DORMITORY and HALL — Mercersburg Academy, W. M. Irvine, pres., 5 story and basement, 42 x 130 ft., rein.-con., brick and steel, plain foundation, to J. Ferguson, Hagerstown, Md. Noted Apr. 14.

Pa., Pittsburgh — SCHOOL — St. Wolbergas Roman Catholic Church, 7113 Campania St., general contract 2 story and basement school, Lincoln Ave., to Duquesne Constr. Co., Cypress and Aspen Sts. Archts. est. $150,000.

O., Athens—AUDITORIUM—Bd. Trustees Ohio University, 50 ft. high and basement, 107 x 145 ft., brick, steel and stone on campus, to Chappelear-Gordon Co., Portsmouth, $314,000. Noted Mar. 17.

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Buildings—Educational, Religious (Cont.)

O., Dayton—ART INSTITUTE—H. G. Carnell, pres. Dayton Art Institute, 1st and St. Clair Sts., rein.-con. and stone, plain foundation, Forest and Riverview Aves., to Hillsmith & Co., Winter Bldg., approximately $800,000.

O., Miamisburg — SCHOOL—Bd. Educ., B. Keiser, pres., general contract 2 story and basement, brick and rein.-con., plain foundation, to Anderson Constr. Co., Piqua, $136,000. Noted Mar. 31.

Ill., Chicago—CHURCH and PARISH—Talmadge & Watson, archts., 160 North La Salle St., general contract 4 story and basement, 100 x 165 ft., brick and stone, 6400 Kimbark Ave., to R. C. Weiboldt Co., 1534 West Van Buren St., for First Presbyterian Church, 6404 Kenwood Ave. Archts. est. $500,000. Noted Feb. 17.

Minn., Minneapolis — SCHOOLS — Bd. Educ., G. F. Womrath, bus. supt., general contract 2 schools, one 43rd Ave. and South 38th St., and other 32nd Ave. N. between Russell and Queen Aves., both 2 story, rein.-con. and brick, to Bracker Constr. Co., 752 Builders Exch. Bldg., $287,238. Noted Mar. 31.

Kan., Chanute — SCHOOLS, etc. — Bd. Educ., general contract 3 story, 100 x 150 ft. addition to Senior High School, 2 story, 56 x 87 ft. addition to Junior High School, and 2 story, 68 x 106 ft. shop, all concrete, brick and stone, to A. W. Pratt, Chanute $104,558. Noted Apr. 7.

Calif., Los Angeles — SCHOOL — Missionary Sisters of Immaculate Conception, 1 and 2 story, brick and steel, incl. dormitory and laundry buildings, etc., to Pozzo Constr. Co., 421 Macy St., $158,800.

Calif., Los Angeles — SCHOOL — J. J. Schumacher, pres. Southwestern University, 7 story, 60 x 150 ft., rein.-con. addition, Hill St. between 11th and 12th Sts., to Pozzo Constr. Co., 421 Macy St., $154,000. Noted Feb. 17.

Calif., Oakland — HIGH SCHOOL — Bd. Educ. Oakland School Dist., Lakeview Jr. High School, 3 story, brick, to J. E. Branagh, 184 Perry St., $236,800. Noted Mar. 24.

Calif., Riverside—SCHOOL—Bd. Educ., general contract Junior High School, 2 story, rein.-con., 8th St., to Cresmer Mfg. Co., Riverside, $122,569. Noted Apr. 21.

B. C., Point Grey—COLLEGE—Sharp & Thompson, archts., 626 Pender St. W., 3 story, 36 x 135 ft., rein.-con. and granite, plain foundation, University Grounds, to H. C. Redmond, 3561-38th Ave. W., Vancouver, for Angelican College Bd., c/o architects.

Federal Government Work

Bids Desired

Vt., Montpelier — Shelter — May 10, by U. S. Property & Disbursing Officer, for Vermont, constructing animal shelter and repairs to other buildings on state reservation, adjoining Fort Ethan Allen, here.

N. Y., New York—Piers—Treas. Dept., at office Supervising Archt., Wash., D. C., repairing 2 piers at Hoffman Island and 1 at Rosebank for U. S. Quarantine Station, to Conklin Bros., 249 Richmond Ave., Port Richmond, $4,898.

Fla., Pensacola — Seaplane Hangers — Spec. 5341—May 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing 2 steel and timber seaplane hangars, concrete foundations, at Naval Air Station, here.

Miss., Biloxi—Storehouse—May 26, by U. S. Property & Disbursing Officer, Vicksburg, constructing storehouse and 7 bathhouses, drilling well, water distribution system, sewer plant, disposal plant, etc., here.

Mich., Muskegon—Breakwater—May 31, by U. S. Engineer Office, Milwaukee, constructing 1,512 lin.ft. south breakwater, here; adv. E. N.-R. May 5.

Ill., Maywood — Tank and Tower — May 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing 100,000 gal. steel water tank and tower, also Zeolite water softening system, at Edward Hines, Jr., U. S. Veterans Hospital, here. Noted Mar. 24.

Montana and North Dakota—Drains—June 1, by Bureau Reclamation, Dept. of Interior, Savage, Mont., approximately 8 in. open and 2 mi. tile drains, also drainage structures, near Sidney, Mont. and Dore, N. D., on Great Northern Railroad. P. W. Dent, acting comr.

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Mo., Jefferson City—Retards—May 9, by U. S. Engineer Office, 700 Postal Bldg., Kansas City, 600 ft. retards in Missouri River, near here. $32,400.

Calif., San Diego—Garage—Spec. 5363—May 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., tile garage at Naval Operating Base (Hospital), here.

Bids Received

Mass., Bedford — Deep Wells — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Apr. 26, drilling deep wells at U. S. Veterans Hospital, here, from Artesian Wells Co., 195 Anthony St., Providence, R. I., Item 1 $2,100 and Item 2 $6,300. Noted Apr. 7.

N. C., Oteen—Receiving Building—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Apr. 26, general contract receiving building at U. S. Veterans Hospital, here, from Tobin Constr. Co., 3415 Cambridge St., St. Louis, Mo., $263,999; plumbing and heating, from B. L. Williams, 271 Bank St., Norfolk, Va., $21,528 and $15,990 respectively; electrical work, from Warner Serv. Co., 102 West Clinch St., Knoxville, Tenn., $16,500; and elevators, from Westbrook Elevator Co., Danville, Va., $10,627. Noted Mar. 24.

Ill., Scott Field — Magazine — Quartermaster, Apr. 12, constructing magazine, here, from R. Schubert, Mascoutah, $3,260. Noted Feb. 17.

Tex., Camp Mabry (mail Bracken)—Kitchens, etc.—U. S. Property & Disbursing Officer, from N. A. Saigh Co., Gibbs Bldg., San Antonio, constructing timber kitchen and mess halls $835, brick and frame kitchen and mess halls $1,025, frame latrines $326, brick and frame latrines $376, brick and frame latrines $360, water supply system $1,780 and electric lighting system $3,000; from W. Chapham, frame supply building $1,365 or brick and frame supply building $1,615. Noted Mar. 24.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Roads, Sheldon Bldg., San Francisco, Apr. 27, grading and crushed rock surfacing 4.43 mi. southwest entrance Lassen Volcanic Natl. Park, Tehama and Shasta Counties, from Young Bros., Berkeley, $84,134. Noted Apr. 21.

Contracts Awarded

Calif., San Diego—Marine Railway—Spec. 5336—Bureau Yards & Docks, Navy Dept., Wash., D. C., reconstructing marine base at Naval Operating Base (Destroyer Base), here, to C. and F. W. Steffgen, Spreckels Bldg., $150,913 (225 days). Noted Mar. 17.

Unclassified

Proposed Work

War Memorial—Boston, Mass.—Commonwealth, F. J. Good, chn. com. having new sketches made by G. Lowell, 12 West St., granite circular central monument, approximately 50 ft. high, Copley Sq. $500,000.

Grade Crossing Elimination — Brighton (Ind. Sta. Rochester), **N. Y.**—New York Central R.R., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., making plans grade crossing elimination, incl. detouring tracks, and 30 ft. clear roadway, here. To exceed $25,000.

Grade Crossing Elimination—Chappaqua, N. Y.—New York Central R.R. Co., F. B. Freeman, ch. engr., 466 Lexington Ave., New York City, made plans eliminating grade crossing, by constructing 3 arch span steel through plate girder bridge over Harlem Div. railroad tracks, street and Westchester Co. Parkway, here. $300,000.

Comfort Station—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., soon takes bids 2 story and roof terrace, lime-stone and rein.-con. comfort station, Riverside Dr. between 87th and 88th Sts. $40,000.

Grade Crossing Elimination—Rensselaer, N. Y.—New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., making plans eliminating grade crossing by constructing 650 ft. plate viaduct and steel frame foot bridge, here. $275,000.

Airplane Hangar—New Brunswick, N. J.—See "Buildings—Industrial."

Boardwalk — Sea Girt, N. J. — Boro Council, C. A. Bond, boro. clk., plans boardwalk along Ocean Ave. $30,000.

Band Pavilion—Phila., Pa.—City making plans band pavilion, limestone and steel, plain foundation, Parkway Plaza. $75,000. P. Cret, Otis Bldg., archt.

Pier—Baltimore, Md.—Mayor and City Council, City Hall, plans rein.-con. and brick pier, plain foundation, foot of Mc Comas St. $4,000,000. J. E. Greiner & Co., Lexington Bldg., engrs. Noted Jan. 29.

Coaling Station, Boiler House, etc.—Rome, Ga.—Southern Ry. System, 1200 Penn Ave., Wash., D. C., B. Herman, ch. engr. Constr. Dept., plans coaling and water stations, boiler house, etc., here. $125,000.

Tunnel—Elkhart, Ind.—Adams & Westlake Co. plans rein.-con. tunnel under intersection Michigan and Mishawaka Sts. $25,000.

Swimming Pool—Franklin, Ind.—C. Johnson Co. plans swimming pool. $25,000.

Playland Park and Swimming Pool—South Bend, Ind.—Plans playland park and swimming pool. $135,000. Address G. M. Monroe, city clk.

Street Lighting—St. Louis, Mo.—City soon takes bids 2,000 lighting standards complete with glassware lanterns, cable, etc., in North St. Louis. $325,000. J. Pritchard, City Hall, dir. Noted Mar. 10.

Gas System and Pipe Line—Texas—T. C. Doney, c/o J. C. Carrington, Chamber of Commerce, Cuero, plans natural gas distribution systems at Yoakum and Gonzales, $30,000-$35,000 each; and 30 mi. 6 in. pipe line from Cuero to gas fields, $75,000. Private plans.

Civic Center—Houston, Tex.—Voted $1,400,000 bonds, civic center. J. C. McVea, city engr. Noted Mar. 31.

Fire Alarm and Traffic Light System—Houston, Tex.—Voted $150,000 bonds, improving fire alarm and traffic lights. J. C. McVea, city engr. Noted Mar. 31.

Stadium—Houston, Tex.—Houston Baseball Assn. having plans prepared by Jonas & Tabor, Union Natl. Bank, stadium $200,000.

Park Improvements—Pawhuska, Okla.—Voted $40,000 bonds, park improvements at Osage Park. Noted Mar. 3.

Causeway—California—State Hy. Comm., Sacramento, plans causeway across Sutter By-Pass, Sutter Co. $200,000. State Dept. Pub. Wks., Div. of Eng., Forum Bldg., Sacramento, engrs.

Aeration Plant—Beverly Hills, Calif.—Making plans part 1 and 2 story, 200 x 280 ft. rein.-con. aeration plant, with central tower 100 ft. high, in connection with water works. $150,000 or more. Salisbury, Bradbury & Taylor, Petroleum Security Bldg., Los Angeles, engrs.

Ornamental Lighting System—Huntington Park, Calif.—See "Streets and Roads."

Bids Desired

Playground—Concord, Mass.—May 22, by Playground Com., developing Percy A. Rideout Playground, incl. grading, etc., and constructing baseball field, also developing Emerson Playground. To exceed $25,000. E. L. Joslin, Concord, engr.

Air Plane Hangar and Gas Filling Station—Quincy (Ind. br. Boston), **Mass.**—See "Contracts Awarded."

Coal Trestle—Central Islip, N. Y.—May 11, by Dept. Mental Hygiene, Albany, L. M. Farrington, secy., coal trestle superstructure, at State Hospital, here; adv. E. N.-R. May 5.

Swimming Pool—Mt. Vernon, N. Y.—May 18, by Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, constructing recirculating type outdoor swimming pool in Wilson Woods, Contr. 98; also furnishing and installing recirculating filtering and sterilizing equipment plant in filter room, Contr. 143, here. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. May 5.

Borings—New York, N. Y.—May 12, by A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., core borings on site proposed Ludlow Ave. Bridge, over Bronx River, Bronx Boro.

Aviary—Wash., D. C.—May 10, by District Comrs., District Bldg., aviary building for Natl. Zoo Park. Noted Oct. 7.

Swimming Pool—Lakewood (br. Cleveland), **O.**—May 28, by Bd. Educ., G. W. Grill, clk., rein.-con. swimming pool, Lakewood High School grounds, Bunts Rd. $100,000. M. F. Hasbrouck, 299 Park Ave., New York City, engr. Noted Mar. 31.

Conduits, Anchor Bolts, etc. — Detroit, Mich. — May 11, by Dept. Pub. Wks., City Hall, electrical equipment in intake well at Jefferson and Clairpointe Aves. in connection with pumping unit, incl. conduits, anchor bolts, ground wires, inserts, motors, etc. for pumping units, and for operating sluice gate in discharge tunnel. P. A. Fellows, city engr.

Grade Separation—Fordson, Mich.—May 10, by B. P. Esper, village clk., excavating grade separation for depressing street under 4-track railway bridge, incl. pump house and 2 motor driven centrifugal pumps with sewer connection. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Unclassified (Continued)

Grand Stand — Hutchinson, Kan. — See "Contracts Awarded."

Rock Bunkers—San Francisco, Calif.— See "Contracts Awarded."

Crib Wharf—Quebec, Que.—May 12, by S. E. O'Brien, secy. Pub. Wks. Dept., Ottawa, Ont., concrete and crib wharf, here, for Federal Govt. $150,000. K. M. Cameron, Ottawa, Ont., engr.

Transmission Line—Ontario—June 1, by C. A. Magrath, chn. Hydro Electric Power Comn., of Ontario, 190 University Ave., Toronto, 200 mi. single circuit, 220,000 volt galvanized steel tower transmission line from Ottawa River to Toronto. $5,000,000. F. A. Gaby, 190 Universtiy Ave., Toronto, ch. engr. Noted Apr. 7.

Piers—Kincardine, Ont.—May 9, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, repairing and reconstructing concrete portions North and South Piers, here. $28,000.

Wharf, etc.—Summerside, P. E. I.—May 10, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., reconstructing outer 365 ft. wharf and freight sheds at railway wharf, here. $63,000.

Derrick—Esquimalt, B. C.—May 10, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., 100 ton derrick for Songhees Dry Dock, Nanaimo Dist., here.

Wharf, etc.—Powell River, B. C.—May 13, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, constructing wharf addition and dredging, here. $50,000.

Heating Equipment—Vancouver, B. C.—May 17, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., altering heating equipment for centralization of heating apparatus in Post Office, examining warehouse and winch building, here.

Bids Received

Booths—New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., Apr. 28, constructing copper kalamein toll collection booths, etc., from Carleton Co., Inc., 51 West 42nd St., $39,734. Noted Apr. 21.

Stadium — Bayonne, N. J. — Bd. City Comrs., City Hall, Apr. 19, concrete and steel stadium, 36 ft. high, 61 ft. deep and 570 ft. circumference, West 25th St., from Thomas Scully, 96-3rd St., Newark, $217,120. Noted Apr. 14.

Contracts Awarded

Air Plane Hangar and Gas Filling Station—Quincy (Ind. br. Boston), **Mass.**—H. T. Dennison, 415 Quincy Shore Dr., will build 1 story, brick and steel air plane hangar and gas filling station, East Squantum St., Atlantic Section. $28,000. Work will be done by separate contracts. Private plans.

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, special work (Order 39), to W. Wharton, Jr. & Co., Inc., 110 East 42nd St., New York City, $19,079. Noted Apr. 14.

Tracks, etc.—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, installing tracks for part Coney Island Yards and West End connections, here, to B. T. and J. J. Mack, 160 Bway., New York City, $293,790. Noted Apr. 7.

Grade Crossing Elimination — Guilderland, N. Y.—New York Central R.R. Co., 446 Lexington Ave., New York City, F. B. Freeman, ch. engr., bridge carrying tracks of West Shore R.R. over grade crossing at Dirt and McCormick Rds., here, to Walsh Constr. Co., 403 Herald Bldg., Syracuse. Noted Mar. 31.

Elevated Roads—Long Island City, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing portion of elevated railroad in Roosevelt Ave. east of Willets Point Rd., Queens Boro, Agreement "EV", to J. H. Duncan, Inc., 5718 2nd Ave., Brooklyn, $133,344. Noted Apr. 7.

Fire Alarm Equipment — Long Island City, N. Y.—J. J. Dorman, fire comr. Municipal Bldg., complete equipment for receiving and transmitting fire alarms in New Central Office, here. Items 1 and 13, to J. Sugden Co., 7 West 44th St., New York City, $7,986; Items 2 to 8 (inclusive), to Foote, Pierson & Co., 160 Duane St., New York City, $38,822; Items 6, 10 and 15, to Brown Bros. Mfg. Co., 13 Canal Pl., New York City, $22,231; Items 9 and 12, to Diehl Mfg. Co., 149 Bway., New York City, $11,030; Item 11, to Electric Storage Battery Co., 25 West 43rd St., New York City, $5,145; Items 14 and 18, to C. W. Mitchell, 39 East 28th St., New York City, $12,890; Items 16 and 17, to Williams & Wells Co., 252 Fulton St., New York City, $7,985; and Item 19, to J. H. Gearhart, 50 Church St., New York City, $4,950. Grand total $111,930. Noted Mar. 31.

Fire Alarm System—Long Island City, N. Y.—J. J. Dorman, fire comr., Municipal Bldg., New York City, portion under ground fire alarm system, tie line in Jamaica Bay Blvd., Queens Boro, Item 1, to W. F. Kenny Co., 44 East 23rd St., New York City, $10,132; and Item 2, to Standard Underground Cable Co., 30 Church St., $46,907. Noted Apr. 14.

Miscellaneous Construction — New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, miscellaneous construction work in yards of Rapid Transit R.R. in Bronx and Manhattan Boros, Agreement "FL", to Werner Mitchell Co., Harlem River and 139th St., $16,223. Noted Apr. 7.

Subway Alterations—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., altering Bway-4th Ave. Rapid Transit R.R. to permit widening Broome St., Agreement "E.Z," to Pattelli & Wilson, Inc., 6011 12th Ave., Brooklyn, $5,587. Noted Apr. 14.

Scows—Syracuse, N. Y.—T. F. Farrell, comr. Canals & Waterways, Albany, 6 steel dump scows at Barge Canal Terminal, here, to Marine Iron & Ship Building Co., foot 11th Ave. W., Duluth, Minn., $119,700; also 4 steel flat decked scows, to Erie City Iron Wks., Erie, Pa., $40,650. Noted Apr. 14.

Boardwalk—Long Branch, N. J.—City, reconstructing wood pile and rein.-con. boardwalk, recently destroyed by storm, to T. Proctor, Bway., $40,373. Engrs. est. $50,000.

Coal Dock—Weehawken, N. J.—Erie R.R. Co., 50 Church St., New York City, R. C. Falconer, ch. engr., coal dock with handling, storage and weighing equipment, for fueling tugs and similar craft, to W. G. Hudson Corp., 50 Church St., New York City.

Lighting System—Columbia, Miss.—See "Streets and Roads."

Heating and Ventilating — Indianapolis, Ind. — School Comrs., 150 North Meridian St., heating and ventilating for new Shortridge High School, 34th and Meridian Sts., to Freyn Bros., 1028 North Illinois St., $245,310.

Stadium — Jackson, Mich. — Bd. Educ., rein.-con. stadium, 10,000 seating capacity, to North-Moller Co., Jackson. Engrs. est. $90,000.

Culverts, etc.—Cherokee, Ia.—Cherokee Co., 68 box culverts and extensions, to H. Noel, Peterson, $33,930; also 1 pony truss and 3 I-beam bridges, to Soren Christensen, Tyler, Minn., $11,150.

Grand Stand—Hutchinson, Kan.—Kansas State Fair Bd., A. L. Sponsler, secy., will build rein.-con. grand stand at state fair grounds, by convict labor. Archts. est. $50,000. C. D. Cuthbert, State House, Topeka, engr. Noted Apr. 14.

Elevator—Carthage, Mo.—Morrow Kidder Milling Co., 70 ft. rein.-con. elevator, to Southwestern Elevator Co., Woodruff Bldg., Springfield, Archts. est. $140,000.

Transmission Line—Oklahoma—Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, $44.25 mi. 60,000 volt transmission line from Chickasha to Lawton, to L. E. Nyers Co., Dallas, Tex.

Undergrade Crossing—California—State Hy. Dept., Sacramento, undergrade crossing under Southern Pacific R.R. tracks, 1 mi. south of Ben Ali (111-Sac.-3-B), Sacramento Co., to Frederickson & Watson Constr. Co., 354 Hobart St., Oakland, $43,871. Engrs. est. $58,770. Noted Mar. 17.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Highland Ave. between Pico and Venice Blvds., to G. W. Kemper, P.O. Box 126, Alhambra, $33,800.

Overhead Crossing—Los Angeles, Calif.—Pacific Electric Ry., Co., Pacific Electric Bldg., E. C. Johnson, ch. engr., constructing overhead crossing, incl. tracks elevated on 950 ft. trestle, 36 ft., rein.-con., pile foundations, etc., Pico Blvd., to Lynch-Cannon Eng. Co., Chapman Bldg., approximately $138,000.

Transit Shed—Oakland, Calif.—City Port Comn., constructing transit shed, to E. A. Duval, 858 Rosemont Ave., $101,000.

Gas Holders—Pomona, Calif.—Southern Counties Gas Co., two 50,000 cu.ft. capacity gas holders, to McClintic-Marshall Co., Delta Bldg., Los Angeles, $110,000.

Rock Bunkers—San Francisco, Calif.—Pratt Bldg. Material Co., Hearst Bldg., will build rock bunkers, by day labor, and purchases all necessary equipment and materials. $25,000. C. F. Pratt, pres. Private plans.

Gas Holders—San Pedro, Calif.—Southern Counties Gas Co., 810 South Flower St., Los Angeles, 2 steel gas holders, to Bartlett-Hayward Co., 406 Hards St., San Pedro, approximately $100,000.

Wharf — Vancouver, B. C. — Dominion Bridge Co., 626 Pender St. W., 30 x 100 ft. wharf, grading yard tracks and pile foundations for building, to Vancouver Pile Driving & Contg. Co., Dominion Bldg., $35,000.

Materials

Bids Desired

Tie Plates—Phila., Pa.—May 12, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., tie plates, joint bars, crossing and frogs. Contr. 48-1927.

Concrete Pipe—Baltimore, Md.—May 11, by Bd. Awards, 14,000 lin.ft. 24- to 36-in. rein.-con. pipe. Material Contr. 63. M. J. Ruark, sewerage engr.

Conduit and Bends—Baltimore, Md.—May 11, by Bd. Awards, 100,000 ft. more or less 3 in. fibre socket joint conduit and 500 more or less 3 in. bends. C. F. Goob, Guilford Ave. and Lexington St., mechanical engr.

Cast Iron Pipe—Ponca City, Okla.—J. W. Crow, supt. City Waterworks, in market 100 tons 8 in. c.i. pipe.

Bids Received

Coarse Aggregate—Brooklyn, N. Y.—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 10,000 cu.yd. coarse aggregate from B. Turecamo Contg. Co., 8706 Bay 12th St., $21,700; 5,000 cu.yd. broken stone, from Capitol Sand & Gravel Co., $12,550; and 5,000 cu.yd. coarse aggregate which shall be gravel, from Washington Bulkley, Inc., 666 Kent Ave., $8,250. Noted Apr. 21.

Lead Pipe and Pig Lead—Akron, O.—A. S. Helpbringer, city purch. agt., Apr. 19, 75 tons ¾ in. lead pipe, and 50 tons pig lead, from Hardware & Supply Co., 475 South High St. $165.50 and $144.50 per ton respectively. Noted Apr. 14.

Electric Generator — Pasadena, Calif.—City Clerk, from Allis-Chalmers Co., Wallis St., Milwaukee, Wis., steam turbine electric generator units for power plant, (1) $273,375 (2) part 1 $293,056, part 2 $290,933 (3) $5,550 (4) $35,000.

Contracts Awarded

Crushed Stone—Boston, Mass.—Supply Dept., furnishing crushed stone in South Boston, to B. E. Grant Co., 100 Floyd St. at $2.25 per ton; in East Boston, to Rowe Constr. Co., North Revere St. $2.45; in Charlestown, to Coleman Bros., 245 State St., $2.48; in Brighton and City Proper 10, to J. F. Beatty, at $2.08 and $2.28; in West Roxbury, to North Eastern Crushed Stone Co., 230 Medford St., $2.20; in Dorchester and Asmont, to W. J. Barry, Roslindale, $2.45; in Roxbury, to Standard Constr. Co., 1251 Center St., $1.95; in City Proper 8, to J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury, $2.44; and in Hyde Park, to West Roxbury Trap Rock Co., 1 Grove St., West Roxbury, $2.50.

Road Asphalt — Boston, Mass. — City, Supply Dept., 1,600 tons road asphalt, to Standard Oil Co. of New York, Park Square Bldg., at $23.65 per ton. Noted Apr. 21.

Pipe — Swampscott, Mass. — Town, c/o Water & Sewerage Bd., 170 lengths 10 in. c.i. water pipe, to E. C. Phillips, Inc., Swampscott, at $49 per ton.

Asphaltic Cement—Detroit, Mich.—J. E. Mills, comr. Purchases & Supplies, Marquette Bldg., to Fisher Industries, Inc., 2539 Woodward Ave., 16,000 tons refined asphaltic cement at $20 per net ton in tank cars and $24 per ton in metal drums; to Standard Oil Co. of Indiana, 1101 4th St., 3,000 tons at $20.65 per ton in cars and $24.65 in. drums, and 1,000 tons Stanolind at $19 per ton in cars and $24 per ton in drums.

Cast Iron Pipe—Chicago, Ill.—City, 1,918 tons 8 and 12 in. c.i. pipe f.o.b. cars at various city pipe yards, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., $44.20.

Portland Cement—St. Paul, Minn.—A. E. Eggert, city purch. agt. 2,000 bbl. portland cement, to F. J. Morse & Co., Grove and Johns Sts., at $2.07 per bbl. car delivered and $2.23 per bbl. truck delivered. Noted Mar. 10.

Asphalt, etc.—Ottawa, Ont.—Bd. Control, sand for general purposes, Dist. A., to H. Dupeels & Fils Ltd., Hull, Que. at $1.90 per cu.yd., Dist. B; to Wright & Co., Inc., Catharine St. at $1.75 per cu.yd., Dist. C., and asphalt sand, to Doulер Bros., Ottawa, at $1.60 per cu.yd. and $2.25 per cu.yd. respectively; approximately 10,000 ft. 9 in. straight pipe, 40 ft., to Independent Concrete pipe Co., 198 Riddell Ave., Woodstock; blended road tars, to Barrett Co., Ltd., 2001 St. Hulbert St., Montreal, Que., at $0.17¾ per gal.; and fuel oil, to Imperial Oil Ltd., 310 Percy Ave. at $0.109 per gal.

See proposal advertising on page 161

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Unit Price Lists Published in March, 1927

		Issue of
Bridge	Kentucky	March 3
Bridge	Florida	March 10
Bridge	Tacoma, Wash	March 10
Bridge	Virginia	March 17
Dam	Portland, Ore	March 17
Grading	Houston, Tex	March 24
Highway	California	March 10
Paving	Syracuse, N. Y	March 3
Paving	Boston, Mass	March 10
Paving	Wewoka, Okla	March 10
Paving	Houston, Tex	March 31
Road	Massachusetts	March 3
Road	California	March 3
Road	Kansas	March 3
Road	Missouri	March 10
Road	Kansas	March 10
Road	Oregon	March 10
Road	Virginia	March 10
Road	New Mexico	March 10
Road	Massachusetts	March 17
Road	Missouri	March 17
Road	Washington	March 17
Road	Virginia	March 17
Road	Idaho	March 31
Road	Delaware	March 31
Road	Washington	March 31
Road	New Mexico	March 31
Road	California	March 31
Rubble Wall	Boston, Mass	March 3
Sewers	Chicago, Ill	March 3
Sewerage System	Hunter, N. Y	March 31
Street Improvement	Chicago, Ill	March 17
Street Improvement	Farmington, Mo	March 31
Street Improvement	Akron, Ohio	March 31
Subway	New York, N. Y.	March 24
Viaduct	New Mexico	March 17
Water System	Specialville, Ill	March 3
Water Pipe	Detroit, Mich	March 10
Water Pipe	Detroit, Mich	March 17
Water Mains	Lyons, Ill	March 24

Duct Line—Brooklyn, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., New York City, Apr. 8 (lowest three), for construction of duct line at Coney Island Yard, Agreement "FG" from (A) G. M. Gest, 233 Broadway, New York (awarded contract); (B) P. T. Cox Contracting Co., 154 Nassau St., New York; (C) Edwards & Flood, Inc., 186 Joralemon St. The unit bids are as follows:

	A	B	C
2,940 cu.yd. earth excavation, above and below water, including disposal, etc.	$5.25	$4.30	$3.50
190 cu.yd. concrete masonry, in place	20.00	29.00	29.00
Waterproofing, treated woven fabric (except dry-ply), laid with coal tar pitch or asphalt, in place.			
40 sq.yd. (c) 3-ply	2.25	1.50	5.00
10 sq.yd. (i) dry-ply	1.00	1.00	1.00
80,000 duct. ft. vitrified clay ducts, in place, including concrete envelope	.315	.36	.40
3 tons steel beams and shapes, in place	120.00	150.00	150.00
27 tons steel rods and bars, in place in concrete	120.00	120.00	110.00
10 tons cast iron manhole frames and covers in place	125.00	130.00	200.00
100 lb. special wire forms, in place	.10	.15	.25
Totals	$49,395	$52,027	$53,455

Bridge—Kentucky

Bids were opened by State Highway Commission, Frankfort, Mar. 31, for constructing bridge over Barren River, F. A. P. 112-B, Barren Co., from (A) Alexander Bros., Cadiz; (B) Montgomery & Parker, Rockport, Ind.; (C) Atlantic Bridge Co., Greensboro, N. C. The unit bids are as follows:

	A	B	C
383.2 cu.yd. class A concrete	$22.00	$29.00	$27.00
20.8 cu.yd. class B concrete	22.00	29.00	18.00
12.5 cu.yd. class C concrete	50.00	50.00	70.00
286.5 cu.yd. class F concrete	23.00	29.00	31.00
107,300 lb. reinforcement	.055	.05	.06
460 cu.yd. found. excav. dry common	2.00	1.50	6.00
410 cu.yd. found. excav. wet common	6.00	8.50	11.00
30 cu.yd. found. excav. dry rock	3.00	4.00	9.00
60 cu.yd. found. excav. wet rock	8.00	10.00	18.00
1920 lb. bronze expansion plates	.40	.50	.48
Removal of old steel span, and south abutment (lump sum)	1,500.00	3,500.00	1,243.10
Totals	$28,220	$35,369	$37,700

Grading—New York, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Mar. 15 (lowest four and highest), for grading yard site of 207th Street Yard, from (A) Riverdale Construction Co., Inc., Grand Central Terminal (awarded contract); (B) Clemente Contracting Co., 55 West 42nd St.; (C) S. Nugent, 1380 Merriam Ave.; (D) Welsh Bros. Contracting Co., 35 Purves St., Long Island City; (E) S. U. Hopkins, 175 Fifth Ave. The unit bids are as follows:

	A	B	C	D	E
34,000 cu.yd. earth excavation, including disposal on yard site	$0.65	$1.50	$1.20	$0.70	$2.10
123,000 cu.yd. disposal of a portion of surplus along right-of-way of N.Y.C.R.R.	1.00	1.50	1.25	1.25	2.10
123,000 cu.yd. disposal of the surplus along the North River	.85	1.50	1.25	.94	2.10
123,000 cu.yd. disposal of the surplus in any other place selected by contractor	1.00	1.50	1.20	1.25	2.10
50,000 cu.yd. rock excavation, incl. disposal along right-of-way of N. Y. C. R. R.	3.00	1.50	2.35	4.00	5.20
50,000 cu.yd. disposal along the North River	2.55	1.50	2.35	3.49	5.20
50,000 cu.yd. disposal in any other place selected by contractor	3.00	1.50	2.30	4.00	5.20
80 reinforced concrete slabs for manhole openings	25.00	10.00	55.00	10.00	25.00
Total disposal of portion of excavating along N.Y.C.R.R. right-of-way and balance along North River	$297,100	$311,300	$316,450	$378,350	$591,700
Total disposal of excavation along North River	256,150	311,300	316,450	314,720	591,700
Total disposal of excavation in any other place selected by the contractor	297,100	311,300	307,800	378,350	591,700

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UNIT PRICES *continued on page 294a*

The New CARNEGIE Beam Sections

Carnegie Steel Company is now placing on the market a new product under the name "Carnegie Beam Sections."

Since adoption of the present American Standard Beam Sections in 1896, developments of such magnitude have taken place in the structural steel industry, as to demand an improved series of rolled sections for beams, columns and girders.

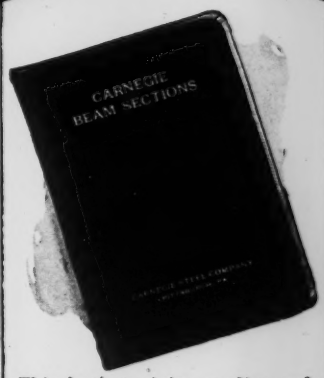
These new sections answer that demand. The series provides a range of sections progressing by regular steps. Their efficiency is high and their component parts are proportioned to permit ready fabrication.*

Our engineers will be glad to discuss the subject with you

CARNEGIE STEEL COMPANY

General Offices • Carnegie Building • 434 Fifth Avenue

PITTSBURGH PENNSYLVANIA



This book contains profiles and properties of the new Carnegie Beam Sections and safe load tables. The series is further explained as to

RANGE OF SIZES
CONTOUR DESIGN
PROGRESSIVE BEAM DESIGN
WEB AND FLANGE RATIO
IMPROVED COLUMN DESIGN

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Send me, without obligation on my part, copy of "Carnegie Beam Section."

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City..... State.....

1855E

**This advertisement is No. 1 of a series describing the New Carnegie Beam Sections.*

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Sewer—St. Louis, Mo.

Bids were opened by Board of Public Service, Mar. 8, for constructing Sect. A of Western Mill Creek Sewer Plan, from (A) Frazier-Davis Construction Co., Arcade Bldg., (awarded contract); (B) F. A. Stiers, 4500 Enright Ave.; (C) T. P. Connor & Sons, 705 Market St. The unit bids are as follows:

	A	B	C
50 cu.yd. extra excavation	$10.00	$8.00	$10.00
300 cu.yd. extra excavation	6.00	6.00	6.00
1,680 cu.yd. extra excavation	3.00	3.00	3.00
300 cu.ft. extra concrete	.60	.60	.40
300 cu.ft. extra concrete	.50	.50	.40
100 cu.ft. extra brick masonry	1.00	1.10	.90
10 lin.ft. 12-in. sewer pipe	.80	1.00	1.00
8 lin.ft. 36-in. sewer pipe	8.00	7.80	15.00
27 lin.ft. 75-in. comp. brick or seg. block sewer	20.00	17.50	20.00
38 lin.ft. 78-in. comp. brick or seg. block sewer	25.00	20.00	25.00
90 lin.ft. comp. sewer 9 ft. horseshoe of rein.-con. 20 ft. fill	30.00	25.00	35.00
50 M.ft. lumber left in trench	50.00	50.00	50.00
5 M.ft. lumber for crossings	50.00	50.00	30.00
Breaking into existing branch sewers and making connection for new 26-in. sewer	100.00	20.00	30.00
Diversion chamber at Sarah St. and McPherson Ave.	800.00	1,700.00	3,000.00
Diversion Chamber at Sarah St. and Enright Ave.	700.00	600.00	1,700.00
Diversion chamber at Whittier St. and West Belle Pl.	500.00	900.00	1,700.00
5 sq.yd. removing old granite block bedding	1.00	1.00	2.00
60 sq.yd. removing old brick surfacing and bedding course	1.00	1.00	1.00
195 sq.yd. bituminous pavement removed	1.00	.50	.70
340 sq.yd. removing old conc. base	1.00	.60	.70
30 sq.ft. removing old granitoid sidewalk	.20	.15	.40
10 lin.ft. removing existing curbing	1.00	.75	.60
45 sq.yd. waterbound macadam paving and telford base	3.00	2.50	2.00
5 sq.yd. relaying granite block and bedding	5.00	2.00	2.00
60 sq.yd. relaying vitr. brick and bedding	5.00	2.50	2.00
195 sq.yd. refined asphalt and bedding	2.00	2.00	2.00
260 sq.yd. conc. foundation 6 in. thick	3.00	1.75	2.50
30 sq.ft. restoring granitoid sidewalks	.40	.35	.30
10 lin.ft. resetting curbing	2.00	.75	1.00
3,461 ft. type 13 A tunnel, complete	90.00	105.00	108.00
100 ft. type 13B tunnel complete	100.00	100.00	108.00
100 ft. type 13C tunnel, complete	100.00	105.00	108.00
3,315 ft. type 9A tunnel, complete	63.00	80.00	74.00
100 ft. type 9B tunnel, complete	80.00	85.00	74.00
100 ft. type 9C tunnel, complete	80.00	90.00	74.00
Breaking into Mill Creek tunnel at Duncan and Van Deventer St. and making connection for 13-ft. tunnel	2,000.00	5,000.00	5,000.00
31 ft. enlarging existing shaft at Duncan and Van Deventer St. and construction of Sect. 13A	50.00	95.00	100.00
500 cu.yd. excav. for enlarging of section	4.00	15.00	6.00
15,000 cu.ft. class A concrete (extra)	.40	.60	.40
5,000 lb. rein. steel bars (extra)	.04	.08	.08
1,000 ft. extra tunnel drilling	.50	1.25	2.00
250 ft. holes for plumbing	10.00	8.00	8.00
Top section for 10 x 10 ft. shafts at Sarah St. and Enright Ave. and at Whittier St. and West Bell Pl.	300.00	500.00	550.00
Top section for 10 x 10 ft. shaft at Sarah and McPherson Sts.	400.00	500.00	600.00
Top section for 10 x 16 ft. shaft	500.00	600.00	650.00
28 ft. earth section for 10 x 10 ft. shaft at Sarah St. and Enright Ave. and Whittier St. and West Belle Pl.	100.00	100.00	115.00
18 ft. earth section for 10 x 10 ft. shaft above elevation 40 at Sarah and McPherson Sts.	150.00	100.00	125.00
15 ft. earth section 10 x 10 ft. shaft between elevation 40 and 25 at Sarah and McPherson Sts.	200.00	100.00	150.00
23 ft. earth section 10 x 10 ft. shaft elevation 25 and surface of rock at Sarah and McPherson Sts.	250.00	100.00	130.00
26 ft. earth section for 10 x 16 ft. shaft	150.00	140.00	140.00
114 ft. rock section for 10 x 16 ft. shaft	200.00	100.00	110.00
100 ft. rock section for 10 x 16 ft. shaft	300.00	140.00	130.00
Special bottom section shaft at Whittier St. and West Belle Pl.	300.00	1,500.00	1,700.00
Special intake in shaft at Sarah St. and Enright Ave.	600.00	1,500.00	2,250.00
Special bottom in shaft at Sarah and McPherson Sts.	500.00	1,800.00	1,200.00
Special bottom section 10 x 16 ft. shafts in two places	200.00	2,000.00	3,660.00
Totals	$664,925	$727,749	$755,620

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Sewer—Detroit, Mich.

Bids were opened by Department of Public Works, Feb. 18, for constructing Ellesmere-Lawndale Arm of Baby Creek-Ellesmere storm sewer, from (A) A. Rossi, 5307 Pennsylvania Ave., (awarded contract); (B) T. D. Nolan; (C) R. D. Baker; (D) Construction Division (Department Public Works); E. Lennane & McIlvenna. The unit bids are as follows:

	A	B	C	D	E
1533 lin.ft. 6 ft. 6 in. sewer	$39.50	$43.50	$47.00	$40.00	$56.00
903 lin.ft. 5 ft. 3 in. sewer	28.70	31.25	36.00	36.00	40.00
1225 lin.ft. 3 ft. 9 in. sewer	23.00	26.50	26.00	32.00	30.00
389.36 lin.ft. 3 ft. 6 in. sewer	22.95	26.00	21.00	30.00	30.00
57.59 lin.ft. 5 ft. 6 in. connections	42.00	37.00	26.00	40.00	40.00
6 special manholes	400.00	300.00	100.00	250.00	300.00
7 standard manholes	300.00	200.00	100.00	150.00	100.00
1 bellmouth	2,500.00	2,600.00	2,500.00	2,000.00	4,000.00
Totals	$132,999	$145,421	$149,883	$151,562	$179,202

Road—Indiana

Bids were opened by Commissioners of Marion Co., Indianapolis, Feb. 25, for improving Keystone Avenue from 65th to 75th Streets, from (A) McCoun Construction Co., Noblesville, (awarded contract); (B) American Construction Co., 1201 East Georgia St., Indianapolis; (C) J. E. McNamara, 1000 East 61st St., Indianapolis. The unit bids are as follows:

	A	B	C
5,932 cu.yd. excavation	$0.50	$0.55	$0.60
150 lin.ft. 12 in. vit. clay	1.50	1.50	1.50
14 lin.ft. 15 in. vit. clay	2.00	2.00	2.00
20 cu.yd. concrete-head wall	15.00	15.00	15.00
WIDENING BRIDGES ON ROAD			
70 cu.yd. excavation	$2.00	$2.00	$2.00
82.1 cu.yd. concrete	14.00	14.00	14.0
44.4 cu.yd. concrete	18.00	18.00	18.00
4,827 lb. reinfor. bars	.05	.05	.05
Surfacing	60.00	60.00	60.00
10,616 sq.yd. one course concrete pavement	2.00	2.05	2.15
Dressing slopes and ditches	592.61	461.48	520.65
Totals	$27,463	$28,317	$29,523

Test Borings—New York

Bids were opened by Board of Water Supply, Municipal Bldg., New York City, Apr. 5, for making test borings in Boroughs of Bronx and Queens and in Westchester County, Contr. No. 220, from (A) Osborne Drilling Corp., 122 Greenwich St., New York City, (awarded contract); (B) Sprague & Henwood, Inc., Scranton, Pa. The unit bids are as follows:

	A	B
1,500 lin.ft. sinking casing of land borings for 3¼ in. cores	$8.91	$10.00
500 lin.ft. sinking casings of river borings for 3¼ in. cores	9.93	18.00
6,000 lin.ft. sinking casing of land boring for 1⅞ in. cores	4.92	5.00
2,000 lin.ft. sinking casing of river borings for 1⅞ in. cores	9.93	10.00
5,000 lin.ft. drilling 3¼ in. cores in land borings	9.93	12.00
600 lin.ft. drilling 3¼ in. cores in river borings	9.93	25.00
12,000 lin.ft. drilling 1⅞ in. cores in land borings	4.92	7.00
3,000 lin.ft. drilling 1⅞ in. cores in river borings	9.93	12.00
600 taking dry samples	1.50	4.00
200 hours pumping tests	5.00	8.00
10,000 lb. casing left in place	.12	.10
Totals	$215,248	$274,000